

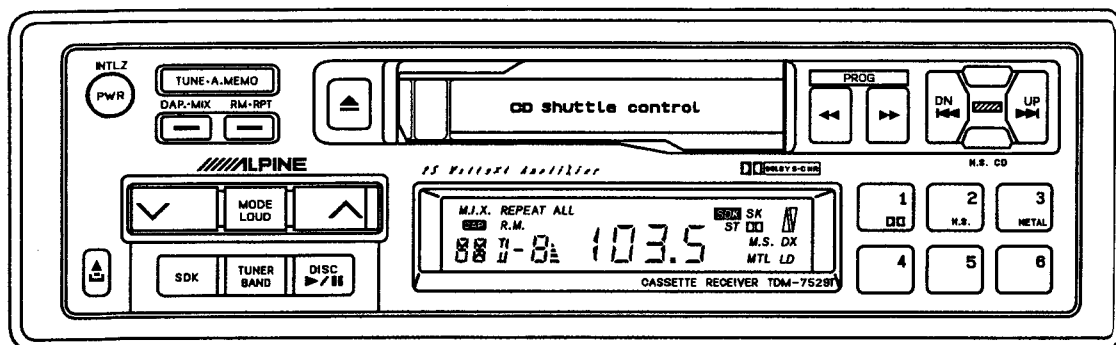
ALPINE[®]

SERVICE MANUAL

TDM-7529T/7526T FM/MW/SDK Cassette Receiver
TDM-7529F/7526F FM/MW Cassette Receiver
TDM-7526W FM/LW Cassette Receiver

CD Shuttle Controller

- For the cassette deck mechanism parts (GS75A010/020) of this model, refer to the Service Manual • GS Series (68P61027W01).



TDM-7529T/7526T
TDM-7529F/7526F
TDM-7526W

Contents

Specifications	3 to 4
In Case of Difficulty	4 to 5
Connections	5 to 6
Basic Operation	7
Radio Operation	7 to 9
CD Shuttle Operation	9 to 10
Cassette Player Operation	10 to 11
Disassembly Instructions	12
Adjustment Procedures	13 to 16
Adjustment Locations	17
Description of IC Terminal	18 to 19
LCD Display	20
Block Diagram	21
Tuner Schematic Diagram	22
Parts Layout on P.C. Boards and Wiring Diagram (1/2)	23 to 24
Parts Layout on P.C. Boards and Wiring Diagram (2/2)	25 to 26
Schematic Diagram (1/2)	27 to 29
Schematic Diagram (2/2)	30 to 32
Electrical Parts List	33 to 39
Cabinet Assembly Parts List	40
Exploded View (Cabinet)	41 to 42
Packing Assembly Parts List	43
Packing Method View	43
Semi-Conductor Lead Identifications	44

Spare Schematic Diagram Inserted.

Specifications

FM RADIO

Intermediate Frequency	10.7MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (30dB S/N, Mono, 98.1MHz)	15.2dBf
-3dB Limiting Sensitivity (98.1MHz)	17.2dBf
S/N Ratio (Stereo, 98.1MHz)	54dB
Image Rejection (106.1MHz)	40dB
IF Rejection (90.1MHz)	80dB
Distortion (Input 60dB μ , 98.1MHz)	1%
Frequency Response (98.1MHz, Ref. 400Hz)	100Hz : 0 \pm 3dB 10kHz : -12 \pm 3dB
SK Sensitivity (98.1MHz)	25.2dBf (○, ●)

MW RADIO (○, □, ●, ■)

Intermediate Frequency	450kHz
Frequency Range	531~1,602kHz
Sensitivity (20dB S/N, 999kHz)	35dB
S/N Ratio (999kHz)	44dB
Image Rejection (1,404kHz)	60dB
IF Rejection (603kHz)	60dB
Distortion (999kHz)	1.2%
Frequency Response (999kHz, Ref. 400Hz)	100Hz : -3 \pm 4dB 4kHz : -12 \pm 4, -8dB

LW RADIO (▲)

Intermediate Frequency	450kHz
Frequency Range	153~281kHz
Sensitivity (20dB S/N, 216kHz)	41dB
S/N Ratio (216kHz)	42dB
Image Rejection (270kHz)	40dB
IF Rejection (162kHz)	50dB
Distortion (216kHz)	1.2%
Frequency Response (216kHz, Ref. 400Hz)	100Hz : -3 \pm 4dB 4kHz : -12 \pm 4, -8dB

TAPE PLAYER

Wow & Flutter (JIS, WRMS/MTT-111N)	0.3%
Tape Speed (MTT-111N)	4.76cm/sec.+3 to -1%
S/N Ratio (MTT-212N)	Dolby OFF : 52dB Dolby B NR : 60dB (○, □)
Distortion (MTT-118N)	2%
Frequency Response (Ref. 1kHz, -4dB, MTT-256)	63Hz~8kHz
Crosstalk (MTT-121N)	45dB
Separation (MTT-141N)	32dB

GENERAL

Power Supply	14.4V DC
Power Output/Impedance	11W/4ohm
Semiconductors	12IC's, 37Transistors, 23Diodes, 9Zener Diodes(○) 11IC's, 36Transistors, 23Diodes, 9Zener Diodes(□) 10IC's, 32Transistors, 22Diodes, 9Zener Diodes(●) 9IC's, 32Transistors, 22Diodes, 9Zener Diodes(▲) 9IC's, 31Transistors, 22Diodes, 9Zener Diodes(■)
Dimensions (W×H×D)	Nose : 188×58×21.8mm Chassis : 178×50×155mm
Weight.....	1.45kg

Note : Due to Continuing product improvement, specifications and designs are subject to change without notice.

- : For TDM-7529T Model Only, ● : For TDM-7526T Model Only, ▲ : For TDM-7526W Model Only,
□ : For TDM-7529F Model Only, ■ : For TDM-7526F Model Only, Others : Common.

In Case of Difficulty

	If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.
	Initial Turn-on After Installation
Symptom/Symptôme/Sintoma	Cause and Solution
No function or display./Fonctions inopérantes ou pas d'affichage./La unidad no funciona ni hay visualización.	<ul style="list-style-type: none"> Car's ignition is off. <ul style="list-style-type: none"> If connected following instructions, the unit will not operate with the car's ignition off. Improper power lead connections. <ul style="list-style-type: none"> Check power lead connections. Blown fuse. <ul style="list-style-type: none"> Check the fuse on the rear panel of the unit; replace with the proper value if necessary.

In Case of Difficulty

	Radio Mode
Symptom/Symptôme/Sintoma	Cause and Solution
Unable to receive stations./Impossible de recevoir les stations./Es imposible recibir emisoras.	<ul style="list-style-type: none"> No antenna or open connection in cable. <ul style="list-style-type: none"> Make sure the antenna is properly connected; replace the antenna or cable if necessary.
Unable to tune stations in the seek mode./Impossible d'accorder les stations en mode de recherche automatique./Es imposible sintonizar emisoras en el modo de búsqueda.	<ul style="list-style-type: none"> You are in a weak signal area. <ul style="list-style-type: none"> Make sure the tuner is in the DX mode. If the area you are in is a primary signal area, the antenna may not be grounded and connected properly. <ul style="list-style-type: none"> Check your antenna connections; make sure the antenna is properly grounded at its mounting location. The antenna may not be the proper length. <ul style="list-style-type: none"> Make sure the antenna is fully extended; if broken, replace the antenna with a new one.
Broadcast is noisy./Réception parasitée./La recepción es ruidosa.	<ul style="list-style-type: none"> The antenna is not the proper length. <ul style="list-style-type: none"> Extend the antenna fully; replace it if it is broken. The antenna is poorly grounded. <ul style="list-style-type: none"> Make sure the antenna is grounded properly at its mounting location.
	Tape Mode
Output sounds dull./Sortie de son atténuée./El sonido se oye inestable.	<ul style="list-style-type: none"> The tape head needs cleaning. <ul style="list-style-type: none"> Clean the tape head. Incorrect Dolby NR in use. (TDM-7529T/7529F only) <ul style="list-style-type: none"> Check Dolby NR button setting.

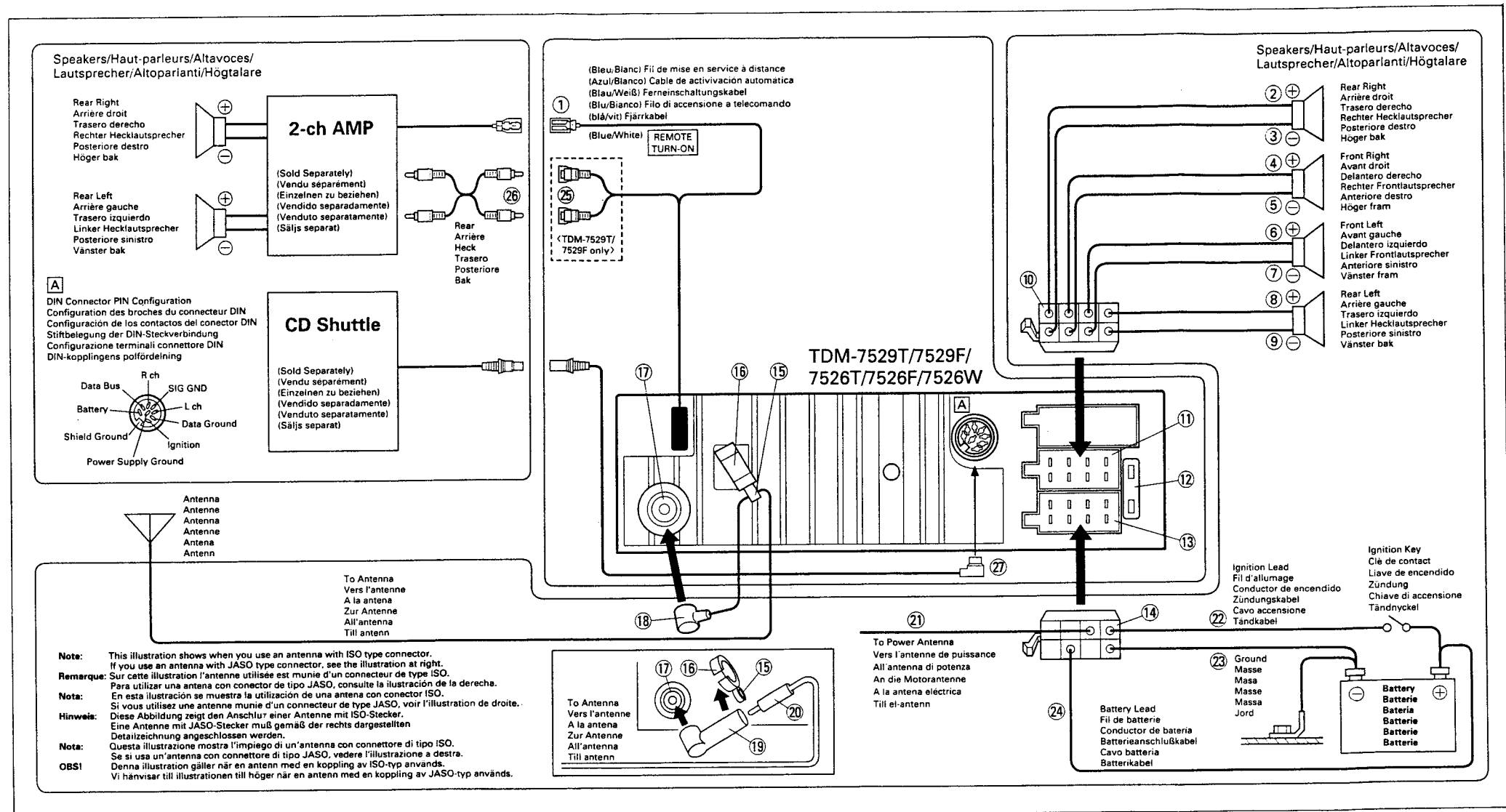
In Case of Difficulty

Symptom/Symptom/Symptôme	Cause and Solution
CD Shuttle not functioning./Le changeur CD ne fonctionne pas./El cambiador de discos compactos no funciona.	<ul style="list-style-type: none"> Out of operating temperature range +50°C (+120°F) for CD. <ul style="list-style-type: none"> Allow the car's interior (or trunk) temperature to cool.
CD playback sound is wavering./Le son de lecture de CD est déformé./El sonido de reproducción de un disco compacto oscila.	<ul style="list-style-type: none"> Moisture condensation in the CD Module. <ul style="list-style-type: none"> Allow enough time for the condensation to evaporate (about 1 hour).
Unable to fast forward or backward./Avance rapide ou inversion impossibles./El disco no avanza ni retrocede.	<ul style="list-style-type: none"> The CD has been damaged. <ul style="list-style-type: none"> Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.
Sound skips due to vibration./Pertes de son dues à des vibrations./El sonido salta debido a las vibraciones.	<ul style="list-style-type: none"> Improper mounting of the CD Shuttle. <ul style="list-style-type: none"> Securely re-mount the CD Shuttle. Disc is very dirty. <ul style="list-style-type: none"> Clean the disc. Disc has scratches. <ul style="list-style-type: none"> Change the disc.
Sound skips without vibration./Pertes de son non dues à des vibrations./El sonido salta sin haber vibraciones.	<ul style="list-style-type: none"> Dirty or scratched disc. <ul style="list-style-type: none"> Clean the disc; damaged discs should be replaced.
Single (8 cm) disc does not play./Impossible de reproduire un CD de 8 cm./No es posible reproducir un disco sencillo (8 cm).	<ul style="list-style-type: none"> Single CD adaptor is not used. <ul style="list-style-type: none"> Attach a single CD adaptor (recommended by Alpine) to the single disc and insert into the CD magazine.

In Case of Difficulty

Indication/Indication/Indicación	Cause and Solution
---	<ul style="list-style-type: none"> Protective circuit is activated due to high temperature. <ul style="list-style-type: none"> The indicator will disappear when the temperature returns to within operation range.
E-01	<ul style="list-style-type: none"> Malfunction in the CD Shuttle. <ul style="list-style-type: none"> Consult your Alpine dealer. Press the magazine eject button and pull out the magazine. Check the indication. Insert the magazine again. If the magazine cannot be pulled out, consult your Alpine dealer. Magazine ejection not possible. <ul style="list-style-type: none"> Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.
E-02	<ul style="list-style-type: none"> A disc is left inside the CD Shuttle. <ul style="list-style-type: none"> Press the EJECT button to activate the eject function. When the CD Shuttle finishes the eject function, insert an empty CD magazine into the CD Shuttle to receive the disc left inside the CD Shuttle.
EEEE	<ul style="list-style-type: none"> Misconnection or disconnection of the CD Shuttle. <ul style="list-style-type: none"> Check connections between the CD Shuttle and the control unit.
----	<ul style="list-style-type: none"> No magazine is loaded into the CD Shuttle. <ul style="list-style-type: none"> Insert a magazine.
T-00	<ul style="list-style-type: none"> No indicated disc. <ul style="list-style-type: none"> Choose another disc.

Connections/Anschlüsse/Connexions/Collegamenti/Conexiones/Anslutningar

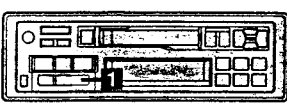
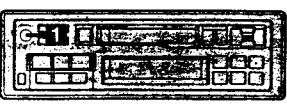
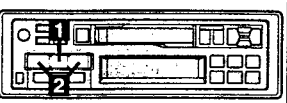



- Remote Turn-On Lead (Blue/White)
- Rear Right Speaker (+) Output Lead
- Rear Right Speaker (-) Output Lead
- Front Right Speaker (+) Output Lead
- Front Right Speaker (-) Output Lead
- Front Left Speaker (+) Output Lead
- Front Left Speaker (-) Output Lead
- Rear Left Speaker (+) Output Lead
- Rear Left Speaker (-) Output Lead
- ISO Connector (Speaker Output, Male)
- ISO Connector (Speaker Output, Female)
- Fuse (10A)
- ISO Connector (Power, Female)
- ISO Connector (Power, Male)
- Hook (Small)
- Hook (Large)
- Antenna Jack

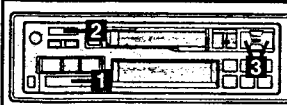
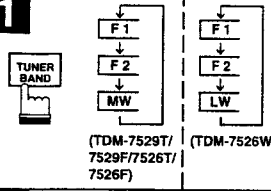
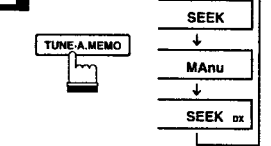
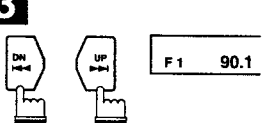
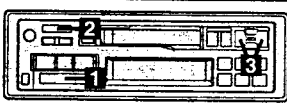
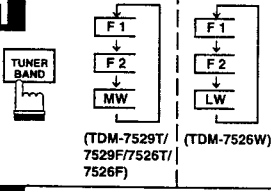
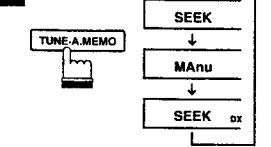
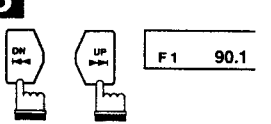
- ISO Antenna Plug
- JASO/ISO Antenna Adaptor (Included)
- JASO Antenna Plug
- Power Antenna Lead
- Ignition Lead
- Ground Lead
- Battery Lead
- Rear Output RCA Connectors
- RCA Extension Cable (Sold separately)
- DIN Extension Cable

NOTE: Older Alpine CD Shuttle came with standard, straight type DIN connectors. In installations where an L-type connector would simplify installation, the Alpine 49100z Adaptor can be used (Sold Separately).

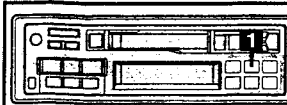
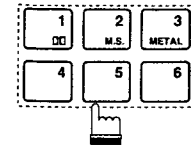
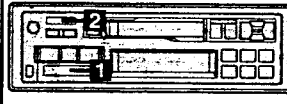
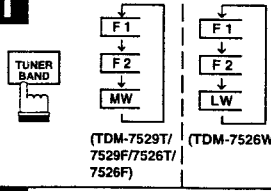

Basic Operation

	Initial System Start-Up
1	Immediately after installation, after the vehicle's battery has been disconnected, or after the addition of an optional CD Shuttle, it is necessary to reset the system. This is done by first setting the volume level to its minimum. Next, press and hold the DISC button for at least 3 seconds.
	Turning Power On and Off
1	Press the PWR button to turn on the unit. Note: The unit can be turned on by pressing any other button except the eject Δ , \leftarrow and \rightarrow buttons. The volume level gradually increases to the previous level you were listening to before the unit was turned off. Press the PWR button again to turn off the unit.
	Adjusting Volume/Bass/Treble/Balance/Fader
1	Press the MODE button repeatedly to choose the desired mode. Note: If the \vee or \wedge button is not pressed in 5 seconds after selecting the BAS, TRE, BAL and FAD modes, the unit automatically sets in the VOL mode.
2	Press the \vee and \wedge buttons until the desired sound is obtained in each mode. Note: The settings of the Bass and Treble will be individually memorized for each source (radio and tape) until the setting is changed.
	Turning Loudness On/Off
1	Press and hold the LOUD button for at least 2 seconds to activate or deactivate the loudness mode. The display shows "LD" when the loudness mode is activated.


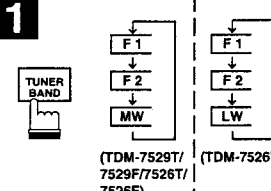
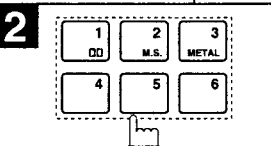
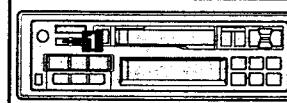
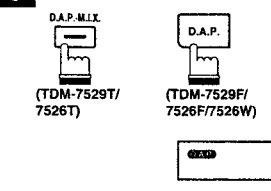
Radio Operation

	Manual Tuning
1	Press the BAND button repeatedly until the desired radio band is displayed. 
2	Press the TUNE button repeatedly until "MANu" is displayed. Note: The initial mode is DX-SEEK. 
3	Press the DN or UP button to move downward or upward one step respectively until the desired station frequency is displayed. Note: The ST indicator appears on the display when a Stereo FM station is tuned in. If the stereo FM signal becomes weak, the ST indicator disappears and the unit automatically switches the mode from stereo to monaural to reduce the noise. When the signal becomes strong enough, the unit automatically switches back to the stereo mode. 
	Automatic Seek Tuning
1	Press the BAND button repeatedly until the desired radio band is displayed. 
2	Press the TUNE button to illuminate the DX and SEEK indicators in the display. The SEEK indicator illuminates only for a few seconds. With the DX mode activated, both strong and weak stations will be tuned in the Auto-Seek operation. Press again to return to the local mode. The DX indicator goes off and the SEEK indicator illuminates for a few seconds, and only strong radio stations will be tuned. 
3	Press the DN or UP button to automatically seek a station downward or upward respectively. When the unit finds a station, the unit stops at that station. Press the same button again to seek next station. 

Radio Operation

	Manual Storing of Station Presets
1	1. Select the radio band and tune in a desired radio station you wish to store in the preset memory. 2. Press and hold any one of the preset buttons (1 through 6) for at least 2 seconds until the station frequency on the display blinks. 3. Press the preset button into which you wish to store the station while the frequency display is blinking (within 5 seconds). The display changes from blinking to steady lighting indicating that the station has been memorized. The display shows the band, preset No. with a triangle (\triangle) and station frequency memorized. 4. Repeat the procedure to store up to 5 other stations onto the same band. To use this procedure for other bands, simply select the band desired and repeat the procedure. 
	A total of 24 stations can be stored in the preset memory (6 stations for each band). Note: If a preset memory has already been set in the same preset location, it will be cleared and the new station will be memorized.
	Automatic Memory of Station Presets
1	Press the BAND button repeatedly until the desired radio band is displayed. 
2	Press and hold the A. MEMO button for at least 2 seconds. The frequency on the display continues to change while the automatic memory is in process. The tuner will automatically seek and store 6 strong stations in the selected band in order of signal strength. When the automatic memory has been completed, the tuner goes to the station stored in the preset location No. 1. Note: If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began. When a preset station is selected, a triangle with 4 horizontal stripes will be displayed next to the preset number. 

Radio Operation

	Recalling Preset Stations
1	Press the BAND button repeatedly until the desired band is displayed. 
2	Press the station preset button that has your desired radio station in memory. The display shows the band, preset number with a triangle and frequency of the station selected. 
	Storing into Direct Access Preset (D.A.P.) Band
1	A combination of radio stations in any bands (up to 6 stations) can be preset manually onto the D.A.P. band. Press the D.A.P. button until the D.A.P. indicator appears. Press the BAND button to select the desired band. The display shows the selected band. To memorize the stations onto the D.A.P. band, follow the steps for the Automatic or Manual Storing of Station Presets section above. Note: The function can be used together with the Automatic Memory Preset if you want to store stations in the same radio band. 

Radio Operation

Receiving Traffic Information (SDK) (TDM-7529T/7526T only)

You can receive the traffic information in Germany where it is broadcast in the FM band.

1 Press the TUNER BAND button until the F1 or F2 is displayed.

2 Press the SDK button to activate the SDK mode. The SDK indicator appears on the display.

Note: The SDK button is inoperative in the Auto Memory mode.

3 Press the DN or UP button repeatedly to tune in a desired traffic information station manually, or press and hold to automatically tune in a traffic station. When a traffic information station is tuned in, the SK indicator lights up.

Note: When the unit receives the SK signal, the SK indicator lights up irrespective of the SDK button position.

If the traffic information is being broadcast, you can receive it immediately at the preset volume level. If it is not being broadcast, your unit goes into the standby status and receives regular FM broadcast (or you can play a tape). When the station starts the traffic information service, the unit automatically switches to the traffic information (the tape player continues playing if you are playing a tape). When the traffic information service is over, the unit automatically switches back to regular FM broadcast and the volume returns to the original level.

Note: If the traffic information signal falls below a certain level during reception, the SK indicator goes off and the unit will be placed in standby status for 70 seconds. If this status continues over 70 seconds, a rhythmic beep sound will be produced. Press the SDK button to turn off the beep sound and deactivate the SDK mode or tune in another traffic information station.

4 Press the SDK button to deactivate the SDK mode. The SDK indicator disappears.

Presetting Volume Level for Traffic Information (TDM-7529T/7526T only)

If the volume levels between the traffic information and regular FM broadcast differ great, you can preset the volume level for the traffic information.

1 Press and hold the PWR button for at least 2 seconds.

2 Press the Preset 1 button until the desired volume level is obtained.

3 Press again the PWR button to preset the volume level in memory for the traffic information listening.

CD Shuttle Operation

Controlling CD Shuttle (Optional)

If an optional Alpine 6-disc CD Shuttle is connected to the 8-pin DIN connector of the TDM-7529T/7529F/7526T/7526F/7526W, you can control the CD Shuttle using the TDM-7529T/7529F/7526T/7526F/7526W.

Notes:

- The controls on the TDM-7529T/7529F/7526T/7526F/7526W for the CD operation are operative only when the CD Shuttle is interconnected with the TDM-7529T/7529F/7526T/7526F/7526W.
- Before operating the CD Shuttle for the first time after connecting, the unit should be reset. Reduce the volume and press and hold the DISC button for at least 3 seconds.

1 The display example shows when playing the Track 1 on the Disc 3.

Press the DISC button to activate the connected CD Shuttle. The display shows the disc number and track number.

2 Press the Preset buttons to select the desired disc loaded in the CD Shuttle.

3 Press the DISC button to pause CD play. The display shows "PAU." To resume CD play, press again. The PAU indicator disappears.

Note: Be sure to eject the cassette tape when you want to operate the CD Shuttle in the tape play mode.

Music Sensor (M.S.) Skip

1 Momentarily press the DN button once to return to the beginning of the current track. If you wish to return to the beginning of a track further back, repeatedly press until you reach the desired track. (The display example shows when you are playing the track No. 5 of the disc 3.)

Press the UP button once to advance to the beginning of the next track. If you wish to advance to a track further ahead, press repeatedly until the desired track is reached.

Note: The music sensor feature is functional in the play or pause mode.

Fast Forward and Backward

1 Press and hold the DN or UP button to quickly move backward or forward respectively until you reach the desired portion.

Note: This feature works only in the CD playback mode.

CD Shuttle Operation

Repeat Play on Single Track or Entire Disc

Press the RPT button to display "REPEAT" or "REPEAT ALL" to play back repeatedly the current track being played or the entire disc selected.

Note: Single track cannot be repeated during M.I.X. play.

M.I.X. (Random) Play

1 Press the M.I.X. button during CD play or in the pause mode until the M.I.X. indicator appears. The display shows the disc number, "M.I.X.," and track number being played. The tracks on the disc will be played back in a random sequence. After all the tracks on the disc have been played back, the player loads the next disc and begins a random sequence play on the next disc.

Press the M.I.X. button again until the M.I.X. indicator disappears to cancel the M.I.X. play.

Cassette Player Operation

Inserting/Ejecting Cassette

1 Insert a cassette tape into the slot with the open side facing to the right. The player automatically starts tape playback and the display shows "TAPE" and the tape side being played (L or R).

When the end of the tape is reached, the player automatically stops and reverses the tape direction and plays the other side of the tape.

2 Press the Eject button when you want to stop tape playing and eject the cassette tape. The unit plays the radio and the display shows the radio band and the station frequency that you were listening to previously.

Note: Make sure the cassette is ejected before turning off the unit or removing the front panel. If the cassette is left in the unit for a long period with the power off, there is a chance of the pinch-rollers or head deforming the tape. This could degrade performance.

Reversing Tape Direction

1 Press both the << and >> buttons simultaneously to change the tape direction during tape play. The tape side indicators (L and R) show which side of the cassette is being played.

Fast Forwarding and Rewinding

1 Press in the <<< button until a light click is heard. This locks the mechanism in the rewind mode when playing the top side of the tape (L indicator on) or in the fast-forward mode when playing the bottom side (R indicator on). Lightly press the >>> button to continue playing.

When the end of the tape is reached:

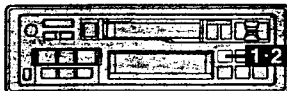


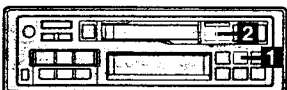




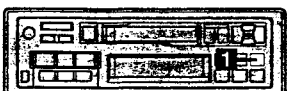



- L — the player stops automatically, and begins playing the tape from the beginning of the same side.
- R — the player stops and automatically reverses the tape side and continues playing from the beginning of the opposite side.

2 Press in the >>> button until a light click is heard. This locks the mechanism in the fast-forward mode when playing the top side of the tape (L indicator on) or in the rewind mode when playing the bottom side (R indicator on). Lightly press the <<< button to continue playing.

When the end of the tape is reached:

- L — the player stops and automatically reverses the tape side and continues playing from the beginning of the opposite side.
- R — the player stops, automatically, and begins playing the tape from the beginning of the same side.

Cassette Player Operation

		Dolby B NR (Noise Reduction) (TDM-7529T/7529F only)
1		Press the Dolby NR (NR) button in the tape mode to play a Dolby B NR encoded tape. The NR indicator appears and the noise level becomes low.
2		Press the Dolby NR (NR) button again to deactivate the Dolby NR mode. The NR indicator disappears from the display.
		M.S. (Music Sensor) (TDM-7529T/7529F only)
1		Press the M.S. button during tape play to activate the music sensor mode. The display shows "M.S.".
2		Press to deactivate the music sensor mode. "M.S." on the display disappears.
1		Press the M.S. button during tape play to activate the music sensor mode. The display shows "M.S.".
2		Press to deactivate the music sensor mode. "M.S." on the display disappears.
		Playing Metal Tapes
1		Press the METAL button to set playback equalization for metal or any other "high bias" tape. The display shows "MTL". Press the METAL button to deactivate the metal mode. "MTL" disappears from the display.
		Monitoring Radio During Fast Forwarding or Rewinding
1		Press the R.M. button until "R.M." appears on the display. You can listen to a radio station during the tape rewinding or fast forwarding. Press the R.M. button again to deactivate the Radio Monitor mode.
		Note: The R.M. button will only work in the TAPE mode.

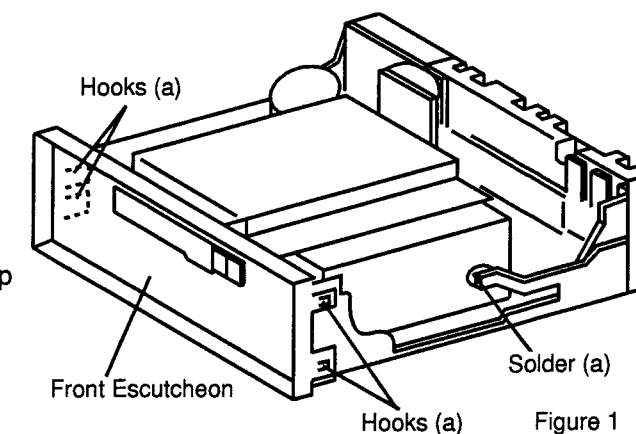
Disassembly Instructions

1. Removal of Nose Unit

- Refer to the Owner's Manual (Part No. 68P61329W39).

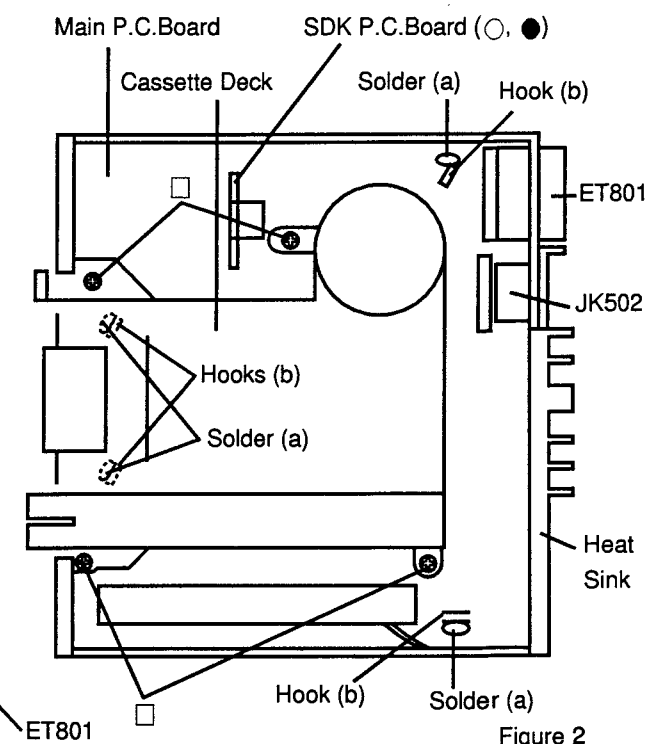
2. Removal of Front Escutcheon

- After removal of Assy., Face Plate and Top Cover, remove the Hooks (a) as shown in Figure 1



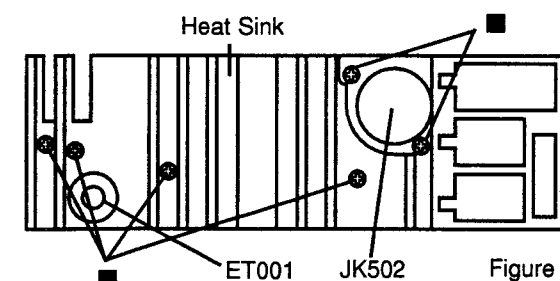
3. Removal of Cassette Deck

- Remove four screws marked "□" as shown in Figure 2.
- Disconnect all Connectors to Main P.C.Board.



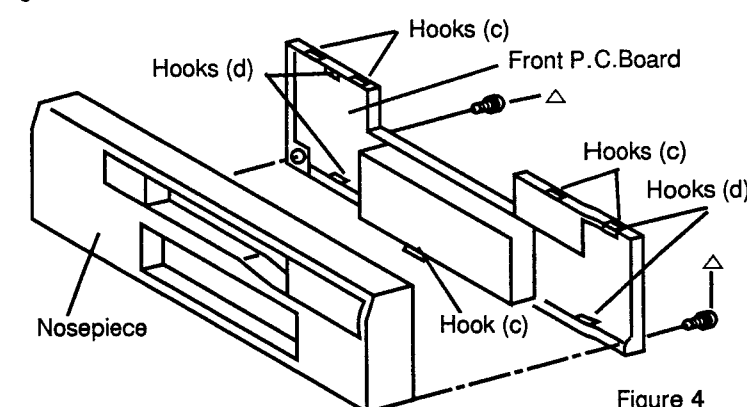
4. Removal of Main P.C.Board

- Remove six screws marked "■" as shown in Figure 3.
- Remove the solder (a) and Hooks (b) as shown in Figure 1, 2.
- (○, ●) Main P.C.Board with SDK P.C.Board can be removed completely.



5. Removal of Front P.C.Board

- After removal of Nose Unit, remove two screws marked "△" and the Hooks (c) as shown in Figure 4.
- Remove the Hooks (d) as shown in Figure 4.

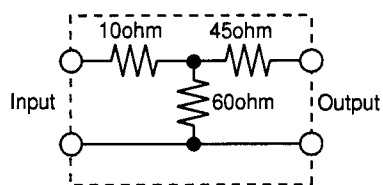


Note : ○ : For TDM-7529T Model Only, ● : For TDM-7526T Model Only, Others : Common.

Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit



For 50 ohm FM Signal Generator

Figure 5

(2) Connections

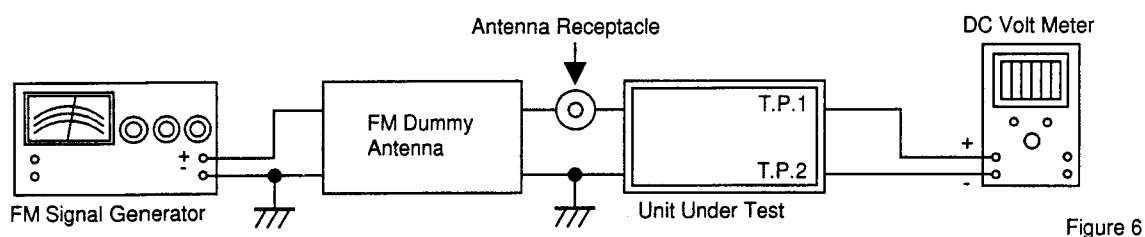


Figure 6

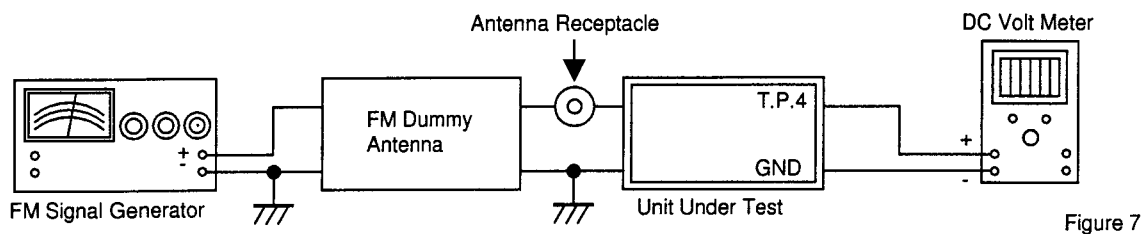


Figure 7

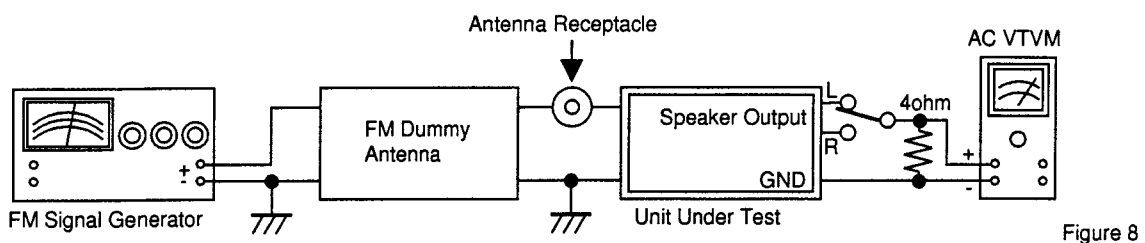


Figure 8

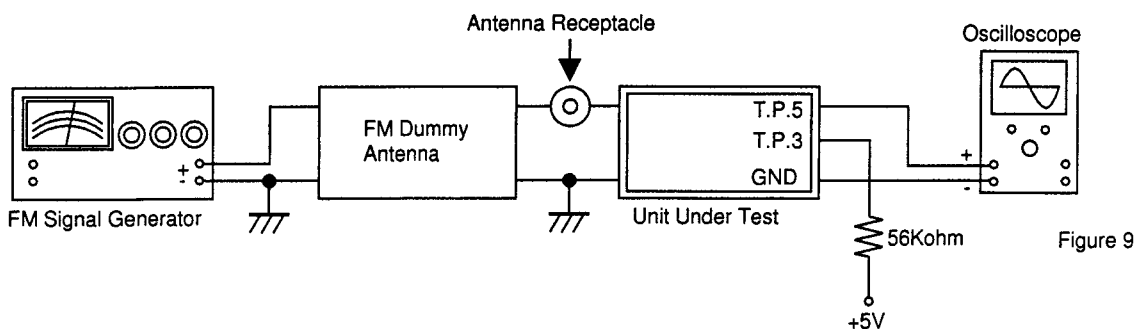


Figure 9

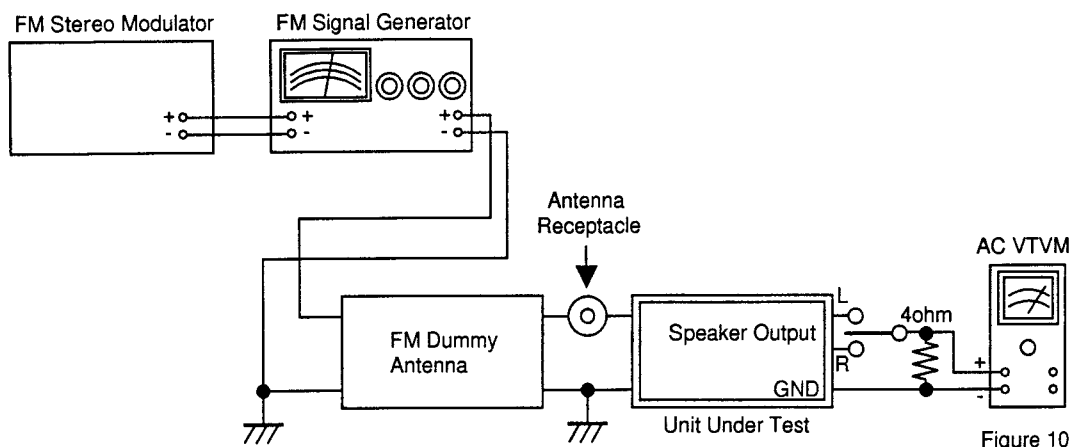


Figure 10

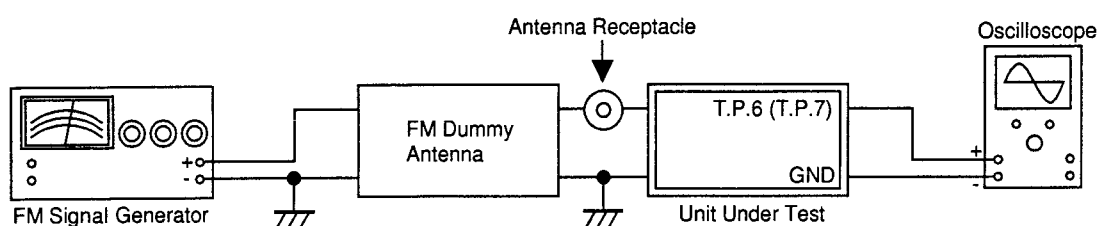


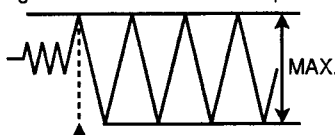
Figure 11

(3) Control Settings

Power Switch ON
Fader Control Center Position
Balance Control Center Position
Treble Control Center Position
Bass Control Center Position
Band Switch FM
Others OFF

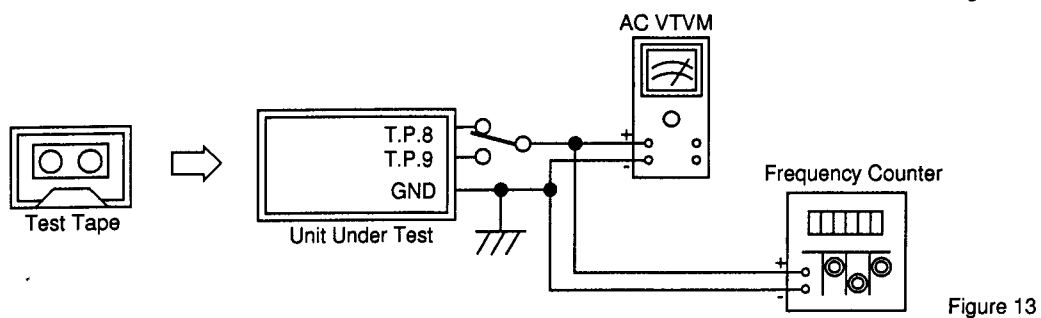
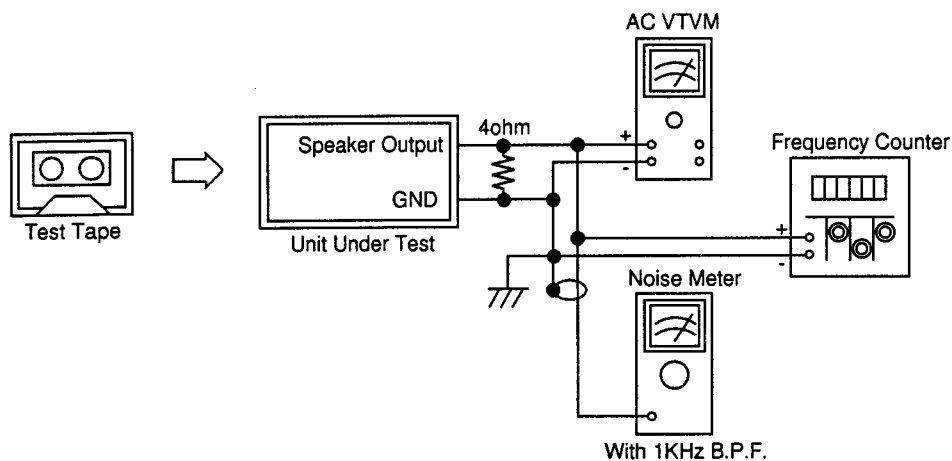
(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
1	IF Adjustment	Figure 6	98.1MHz, 72dB (Mod. OFF)	98.1MHz	T.P.1 T.P.2	Adjust L2005 to $0 \pm 15\text{mV}$.
2	Signal Meter Adjustment	Figure 7	98.1MHz, 47dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.4	Adjust VR2004 to $3 \pm 0.1\text{V}$.
3	Noise Level Adjustment	(1) Figure 8	98.1MHz, 72dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output	Adjust MAIN VOLUME (S407, S408, S409) to obtain 2V output. This value is 0dB.
		(2) Figure 8	98.1MHz, -19dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output	Adjust VR2002 to $-30 \pm 3\text{dB}$ output at SG level minimum.

Step	Description	Connection	Signal Generator	Dial Control	Test Point	Adjustment
4	Seek Stop Adjustment	Figure 9	98.1MHz, 30dB (Mod. OFF)	98.1MHz	T.P.3 T.P.5	Adjust VR2003 for the waveform changing to maximum output. Figure : Waveform of T.P.5 output.  Stop the adjust VR2003 at this time.
5	Stereo Separation Adjustment (Lch)	Figure 10	98.1MHz, 72dB (Stereo 1kHz, Lch only)	98.1MHz	Speaker Output	Adjust VR2005 for Rch output to be minimum and confirm Lch and Rch output level difference is more than 25dB.
6	Stereo Separation Adjustment (Rch)	Figure 10	98.1MHz, 72dB (Stereo 1kHz, Rch only)	98.1MHz	Speaker Output	Proceed same adjustment under step 5 by alternating Lch and Rch.
7	SK Adjustment (○, ●)	Figure 11	98.1MHz, 21dB (Mod. 400Hz, Dev. 40kHz, SK : ON, BK : ON, DK : OFF)	98.1MHz	T.P.6	Adjust L501 for Maximum Waveform at T.P.6.
8	DK Adjustment (○, ●)	Figure 11	98.1MHz, 21dB (Mod. 400Hz, Dev. 40kHz, SK : ON, BK : ON, DK : ON)	98.1MHz	T.P.7	Adjust VR501 for Maximum Waveform at T.P.7.

2 TAPE PLAYER SECTION

(1) Connections



(2) Control Settings

Power Switch ON
Fader Control Center Position
Balance Control Center Position
Treble Control Center Position
Bass Control Center Position
Others OFF

(3) Adjustment Procedures

Step	Description	Test Tape	Connection	Test Point	Adjustment Point	Adjustment
1	Head Azimuth Adjustment	(1) MTT-141N (1kHz)	Figure 12	Speaker Output	Head height Adjustment Screw A (Figure 14)	Adjust until the Rch level obtains the Max. output with the test tape A-side played back in the reverse mode.
		(2) MTT-144 (10kHz)	Figure 12	Speaker Output	Head Azimuth Adjustment Screw B (Figure 14)	Adjust for Max. and same level output of Lch and Rch at Forward mode.
		(3) MTT-144 (10kHz)	Figure 12	Speaker Output	Head Azimuth Adjustment Screw C (Figure 14)	Adjust for Max. and same level output of Lch and Rch at Reverse mode.
		(4) MTT-141N (1kHz)	Figure 12	Speaker Output	—————	Confirm Lch and Rch output level difference is more than 42dB with the test tape A-side played back in the reverse mode. Proceed the same procedure as above with the test tape A-side played back in the reverse mode, B-side in the forward mode, and B-side in the reverse mode.
2	Dolby Level Adjustment (○, □)	MTT-150 (400Hz)	Figure 13	T.P.8 (Lch) T.P.9 (Rch)	VR101 (Lch) VR102(Rch)	Adjust for 245mV \pm 0.5dB at T.P.8 (Lch) and T.P.9 (Rch).
3	Tape Speed Adjustment	MTT-111N (3kHz)	Figure 12	Speaker Output (Lch or Rch)	Tape Speed Adjustment (Figure 15)	Adjust for 2,970 to 3,090 Hz at Speaker Output.

Notes : ○ : For TDM-7529T Model only, ● : For TDM-7529F Model only , Others : Common.

Adjustment Locations

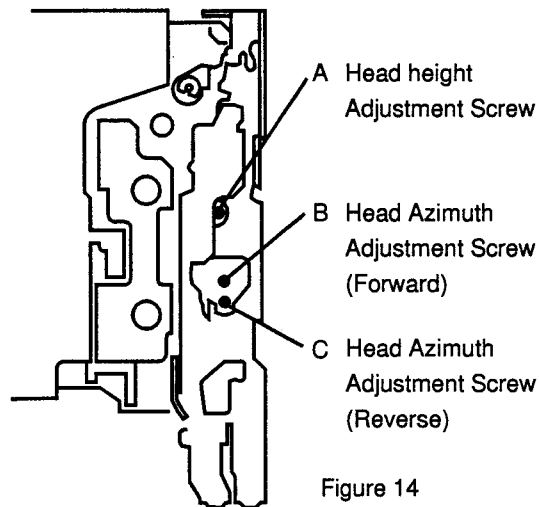


Figure 14

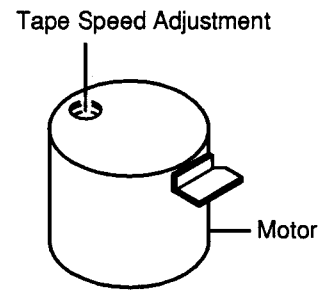
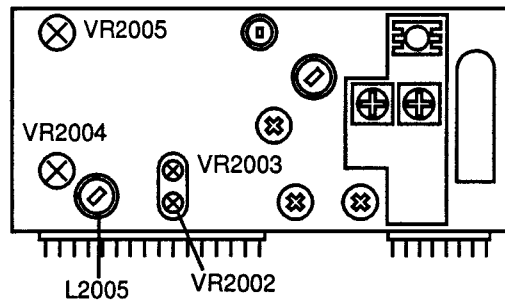


Figure 15



Tuner Unit (FE001)

Note : For the Adjustment parts (VR101, 102, 501, L501) and Test Points, refer to the Parts Layout on P.C.Boards and Wiring Diagram.

Description of IC Terminal

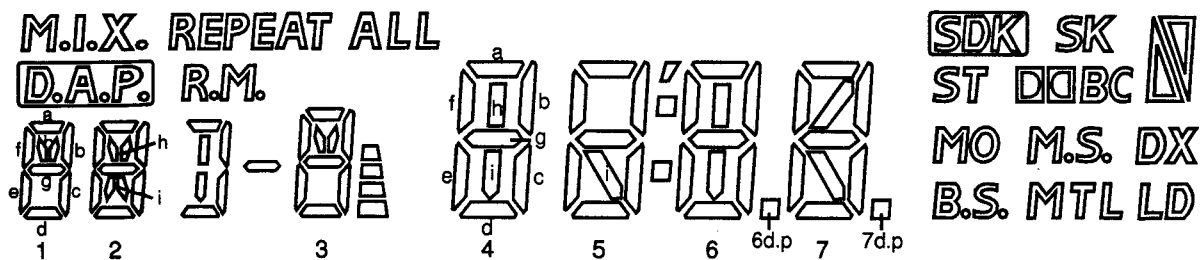
75377W01 (○, □) } : IC503
75377W03 (●, ▲, ■)

No.	Symbol	I/O	Terminal Description
1	AREA0	I	Area set up terminal.
2	AREA1		
3	SD / \overline{ST}	I	Station detector signal input terminal during SEEK.
4	NC	—	No connection.
○●	5	I	SK signal input terminal.
□▲■	5	—	Pull-Up Terminal.
○●	6	I	DK signal input terminal.
□▲■	6	—	Pull-Up Terminal.
○□	7	O	DOLBY-B NR ON / OFF terminal.
●▲■	7	—	No connection.
	8		
	9		
	10	O	CHG.D.OUT CD Changer bus line output terminal.
	11	I	CHG.D.IN CD Changer bus line input terminal.
	12	I	ACC power supply detection terminal.
	13	I	BATT power supply detection terminal.
○□	14	O	Equalizing control output terminal.
●▲■	14	—	No connection.
	15	I	PACK-IN PACK-IN detection terminal.
	16	I	FOR / \overline{REV} Indication control signal of TAPE running direction input terminal.
	17	I	MUTE-IN Mute signal input terminal. (For GS Mechanism)
	18	—	No connection.
	19		
	20	O	M.S Music sensor control signal output terminal.
○●	21	O	ALARM Alarm signal output terminal.
□▲■	21	—	No connection.
	22	O	EV.DATA Serial data output terminal for electrical volume (IC209).
	23	O	EV.CLK Serial clock output terminal for electrical volume (IC209).
	24	—	No connection.
	25		
	26	I	FM.IF FM IF signal input terminal.
	27	I	AM.IF AM IF signal input terminal.
	28	—	No connection.
	29	I	S-METER Signal meter signal input terminal.
	30	—	V _{DD} 1 Power supply terminal.
	31	I	AM OSC AM OSC signal input terminal.
	32	I	FM OSC FM OSC signal input terminal.

No.	Symbol	I/O	Terminal Description
33	GND	—	Ground terminal.
34	X OUT	O	Output terminal for system clock OSC.
35	X IN	I	Input terminal for system clock OSC.
36	E0	O	Charge pump output terminal for PLL synthesizer.
37	NC	—	No connection.
38			
40			
41	VDD2	—	Power supply terminal.
42	NC	—	No connection.
43			
44			
45	L / \overline{D}	O	SEEK switching terminal for LOCAL / DX.
○□●■ 46	NC	—	No connection.
▲ 46	LW	O	L.P.F. switching terminal for LW Band.
47	REQ	O	IF / SD output control terminal.
○□●■ 48	NC	—	No connection.
▲ 48	\overline{LW}	O	L.P.F. switching terminal for LW Band.
49	FM / \overline{AM}	O	Power supply switching terminal. (For FM / AM)
50	NC	—	No connection.
51			
53			
54	$\overline{LCD.INH}$	O	INH signal output terminal for LCD driver. (IC402)
55	LCD CE	O	CE signal output terminal for LCD driver. (IC402)
56	LCD DATA	O	DATA signal output terminal for LCD driver. (IC402)
57	LCD CLK	O	CLK signal output terminal for LCD driver. (IC402)
58	NC	—	No connection.
59			
69			
70	A. MUTE	O	Audio mute signal output terminal.
71	POWER.IC ON	O	Stand-by control signal output terminal for Power IC. (IC210, 211)
72	POWER.CONT	O	Power supply control terminal.
73	NC	—	No connection.
74			
75	NOSE.ON	I	Nose setting detection terminal.
76	KEY-IN AD 1	I	Key matrix signal input terminal.
77	KEY-IN AD 2		
78	KEY-IN AD 3		
79	MODEL 0	I	Model set up terminal.
80	MODEL 1		

Note : ○ : For TDM-7529T Model Only, □ : For TDM-7529F Model Only, ● : For TDM-7526T Model Only,
▲ : For TDM-7526W Model Only, ■ : For TDM-7526F Model Only, Others : Common.

LCD Display



PAD No.	1	2	3	4	5	6	7	8	9
COM.1	COM.1		▽	LD	M.S.	C	MTL	ST	B.S.
COM.2		COM.2	△	DX	SK	B	□□	SDK	MO

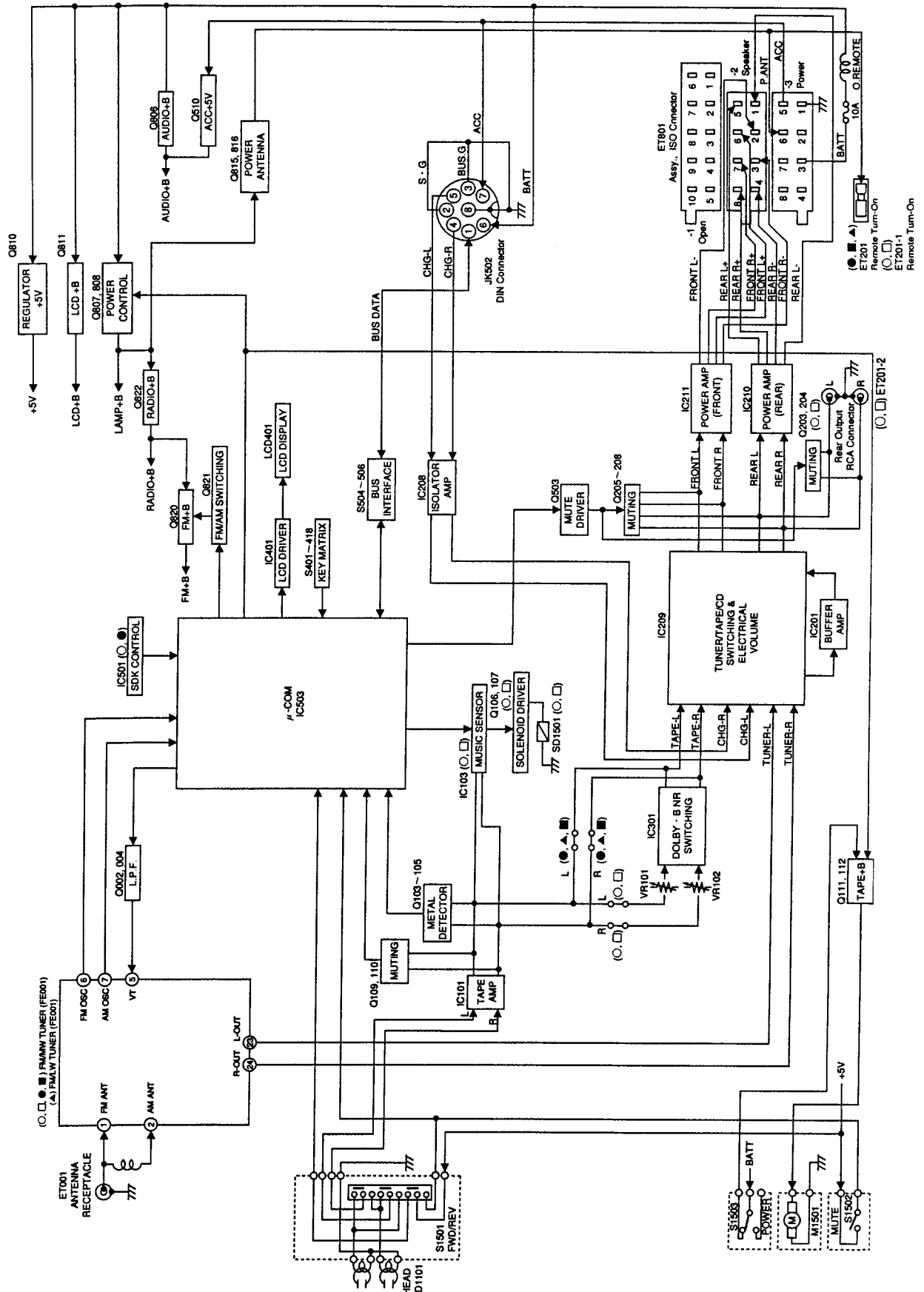
10	11	12	13	14	15	16	17	18
6d.p	7c	7b	7f	7e	6c	6b	6f	6e
7d.p	7h.i	7a	7g	7d	6h.i	6a	6g	6d

19	20	21	22	23	24	25	26	27
▯	5b	5f	5e	5c	4c	4b	4f	4e
□ □	5a	5g	5d	5i	4h.i	4a	4g	4d

28	29	30	31	32	33	34	35	36
▯	3b	3g	3c	2d	R.M.	2i	2g	2h
ALL	3a.d	3f	3e	▯-	REPEAT	2c	2b	2a

37	38	39	40	41
D.A.P.	2f	1h	1e.f	1d
M.I.X.	2e	1a	1g	1d.c

Block Diagram



The diagram is a complex electronic circuit for a radio receiver, centered around an IC2001. It features a 5-meter band antenna input, a mute switch, and a speaker output. The circuit includes various components such as resistors (R2001-R2044), capacitors (C2001-C2016), integrated circuits (IC2001, IC2002, IC2003), and transistors (Q2001, Q2002, Q2003). The diagram is a single-page layout with a grid of component values and connections.

Parts Layout on P.C. Boards and Wiring Diagram (1/2)

All P.C. Boards viewed from soldered side.

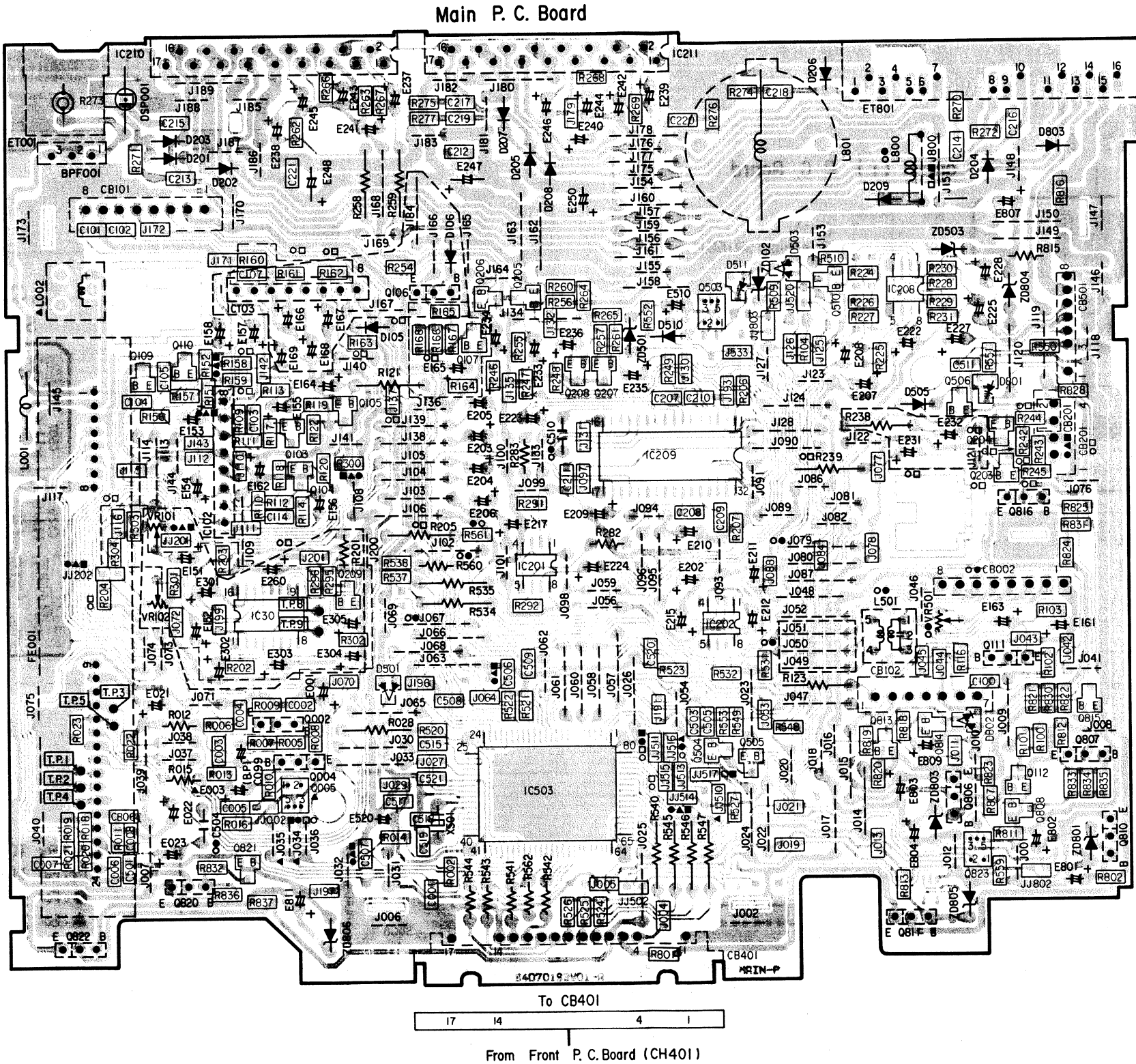
1

2

3

4

5



ET801

1 BATT	9 NC
2 BATT	10 RR-
3 FR+	11 GND
4 FR-	12 RL+
5 FL+	13 RL-
6 NC	14 PANT
7 FL-	15 ACC
8 RR+	16 NC

To CB501

WHT(6)
WHT(5)
WHT(4)
WHT(3)
WHT(2)
WHT(1)
BLK

To CB201

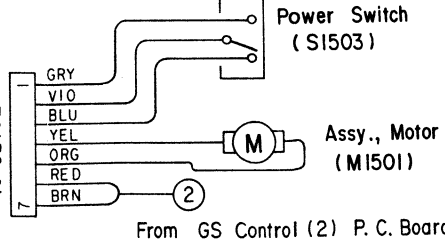
BLU/WHT(O.REMOTE)
RED(R)
SHLD
WHT(L)
SHLD

To CB201

BLU/WHT(O.REMOTE)

To CB002

From SDK P.C.Board (CH004)



Note: ○ : For TDM-7529T Model Only,
□ : For TDM-7529F Model Only,
● : For TDM-7526T Model Only,
▲ : For TDM-7526W Model Only,
■ : For TDM-7526F Model Only,
Others : Common

Blue Color Pattern : Foil Side Pattern

A

B - 23 -

C

D

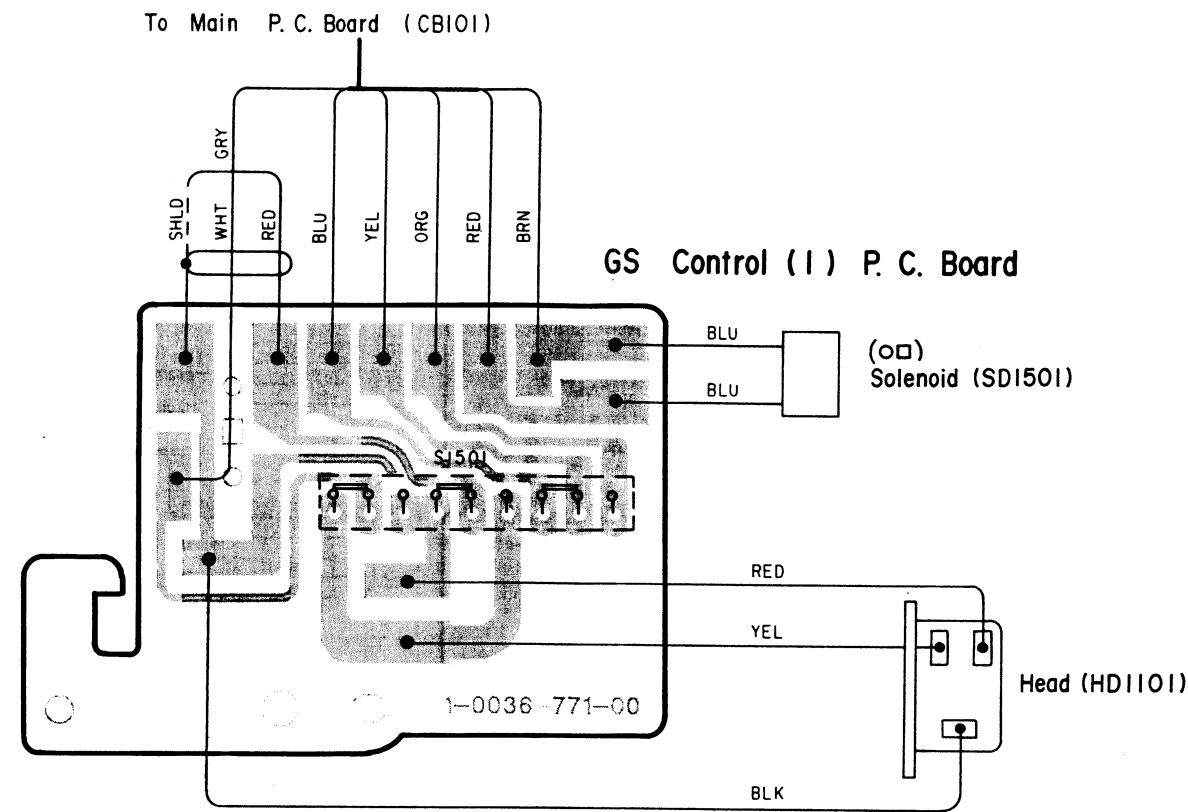
E

F - 24 -

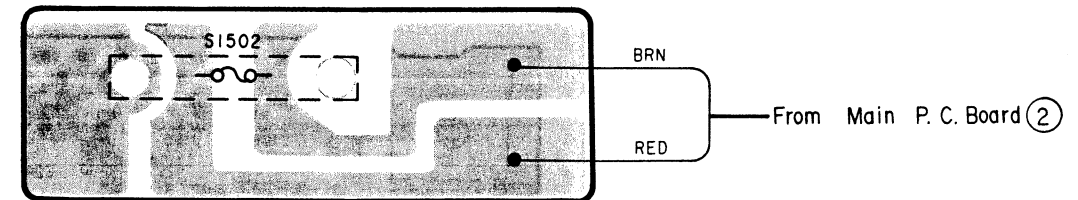
G

Parts Layout on P.C. Boards and Wiring Diagram (2/2)

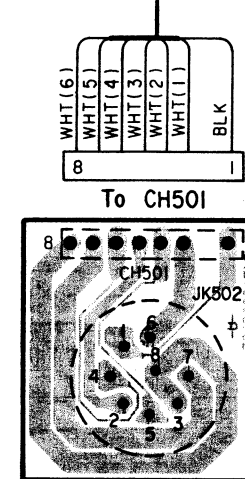
All P.C. Boards viewed from soldered side.



GS Control (2) P.C. Board

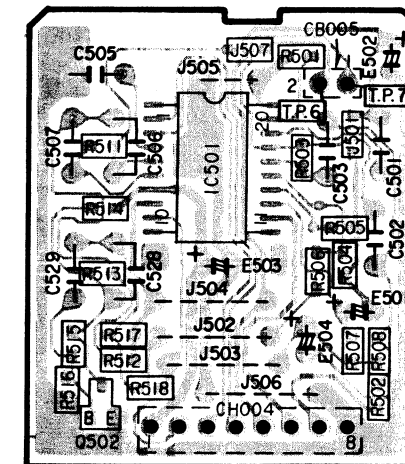


To Main P.C. Board (CB501)

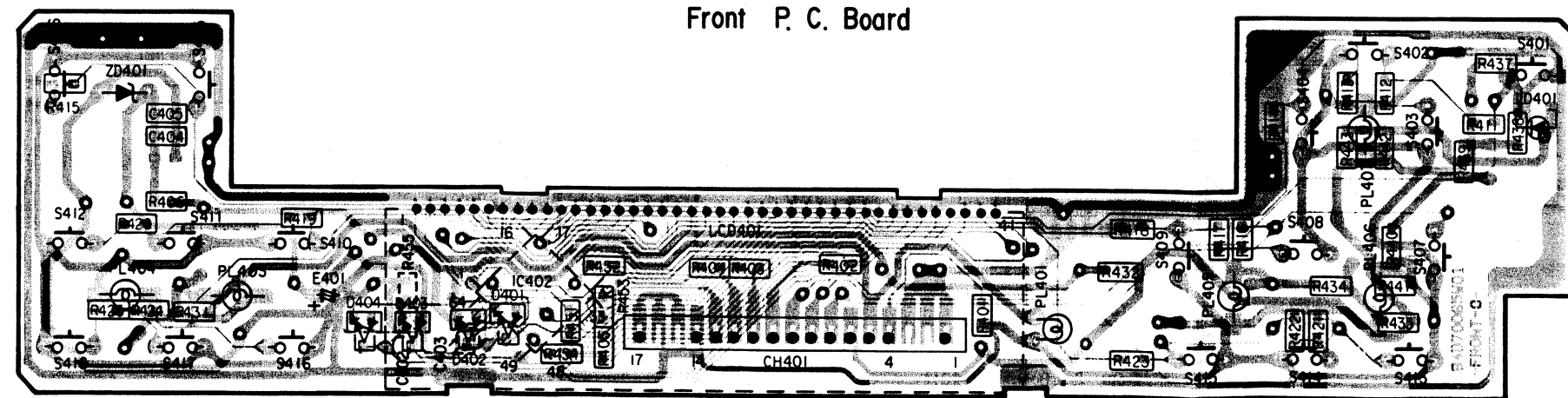


DIN P.C. Board

(○,●)
SDK P.C. Board



Front P.C. Board

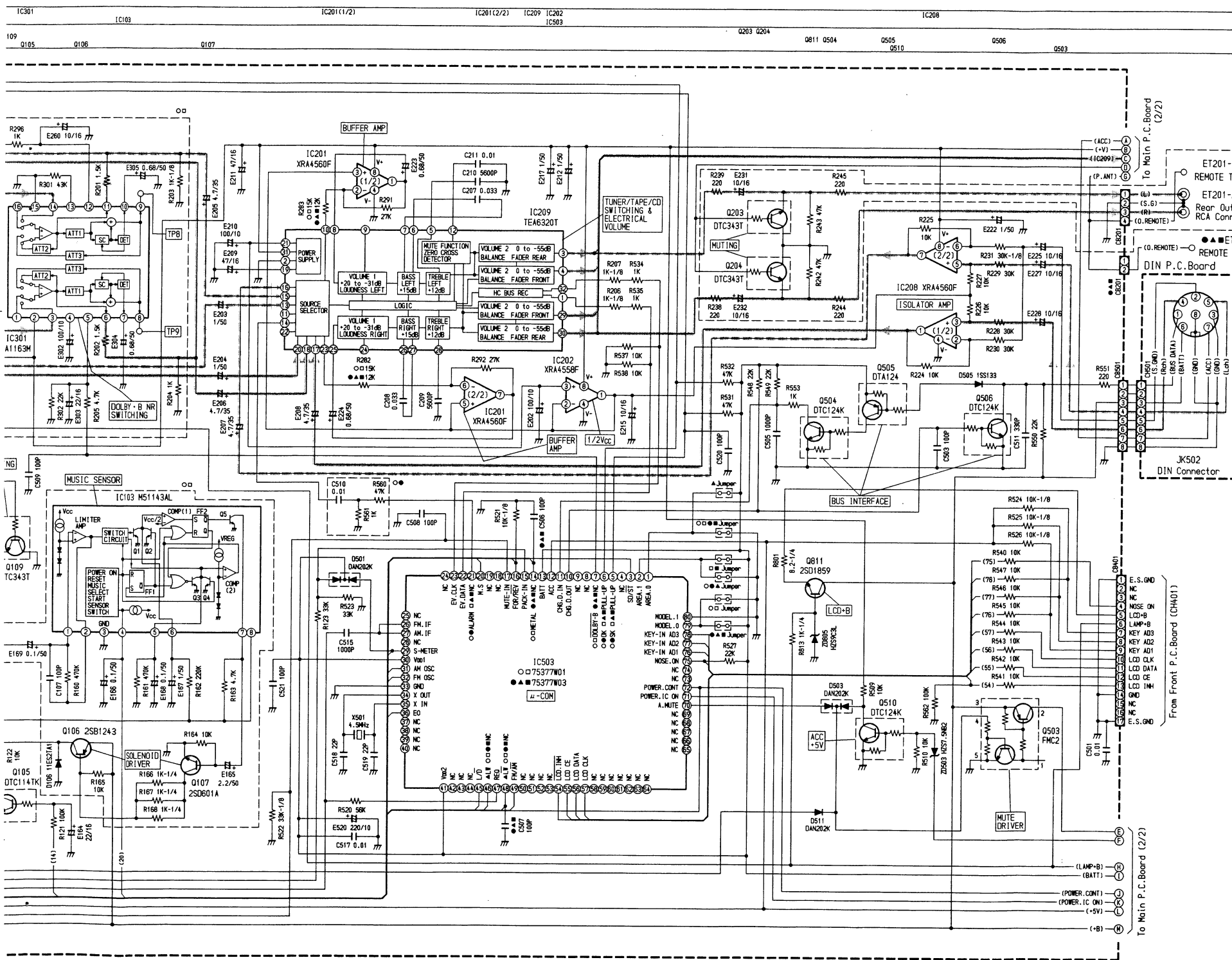


Note: ○ : For TDM-7529T Model Only,
□ : For TDM-7529F Model Only,
● : For TDM-7526T Model Only,
▲ : For TDM-7526W Model Only,
■ : For TDM-7526F Model Only,
Others : Common

Orange Color Pattern : Component Side Pattern
Blue Color Pattern : Foil Side Pattern

5





IC102	□ IC103	IC201	IC202	IC208
1 1.26V	1 1.45V	1 4.37V	1 4.37V	1 4.37V
2 0.75V	2 1.44V	2 4.37V	2 4.37V	2 PS
3 3.27V	3 0V	3 4.37V	3 4.37V	3 4.37V
4 8.75V	4 0V	4 0V	4 0V	4 0V
5 0V	5 0V	5 4.37V	5 0.81V	5 4.37V
6 3.25V	6 0V	6 4.37V	6 0.58V	6 PS
7 0.75V	7 0V	7 4.37V	7 0.19V	7 4.37V
8 1.26V	8 8.74V	8 8.72V	8 8.72V	8 8.72V

IC209						□ IC301					
1	4.9V	9	4.38V	17	4.38V	25	4.27V	1	4.44V	9	4.44V
2	0V	10	4.39V	18	4.38V	26	4.39V	2	8.73V	10	0V
3	4.39V	11	4.38V	19	8.65V	27	4.4V	3	4.44V	11	4.38V
4	4.39V	12	8.69V	20	4.38V	28	4.39V	4	4.45V	12	0V
5	4.39V	13	4.38V	21	4.38V	29	4.4V	5	4.51V	13	1.1V
6	4.39V	14	4.38V	22	4.38V	30	4.4V	6	4.51V	14	4.4V
7	4.39V	15	4.38V	23	4.4V	31	8.75V	7	4.38V	15	0V
8	4.33V	16	4.38V	24	4.38V	32	4.9V	8	0.51V	16	4.4V

	E	C	B	MODE
Q002	0V	PS	PS	RADIO
Q004	PS	PS	PS	RADIO
Q103	3.25V/3.32V	3.25V/3.32V	2.71V/8.83V	METAL ON/OFF (TAPE)
Q104	3.19V/3.32V	3.19V/3.32V	2.64V/8.83V	METAL ON/OFF (TAPE)
Q105	0V/0V	0.05V/8.72V	1.04V/0V	METAL ON/OFF (TAPE)
Q106	14.35V	0V	14.35V	TAPE
Q107	0V	14.35V	0V	TAPE
Q108	0V/0V	0V/0V	0V/4.96V	TAPE (PLAY)/FF REW
Q110	0V/0V	0V/0V	0V/4.96V	TAPE (PLAY)/FF REW
Q111	14.34V/0V	14.31V/0.26V	13.64V/0V	TAPE/(RADIO)
Q112	0V	0V	4.64V	POWER ON
Q123	0V/0V	0V/0V	5.21V/0V	MUTE ON/OFF
Q204	0V/0V	0V/0V	5.21V/0V	MUTE ON/OFF
Q209	0V/0V	8.73V/0.06V	0V/4.96V	TAPE (PLAY)/FF REW
Q504	0V	PS	PS	CD
Q505	5.04V	0V	PS	CD
Q506	0V	PS	0V	CD
Q510	0V/0V	0V/0V	3.92V/0V	ACC ON/OFF
Q811	9.99V/0V	13.13V/14.93V	9.82V/0V	POWER ON/OFF
Q820	8.67V	8.63V	7.97V	RADIO (FM)
Q821	0V	0V	4.93V	RADIO (FM)
Q822	8.67V	13.4V	9.28V	RADIO

	1	2	3	4	5	MODE
▲C005	NC	0V/0V	4.98V/0V	0V/0V	0V/4.98V	LW/FM
Q503	NC	14.21V/0.06V	14.25V/14.25V	4.4V/0V	0V/0V	MUTE ON/OFF

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
FM 98.1MHz
MW 999kHz (.....)
LW 216kHz (.....)
Tape Blank

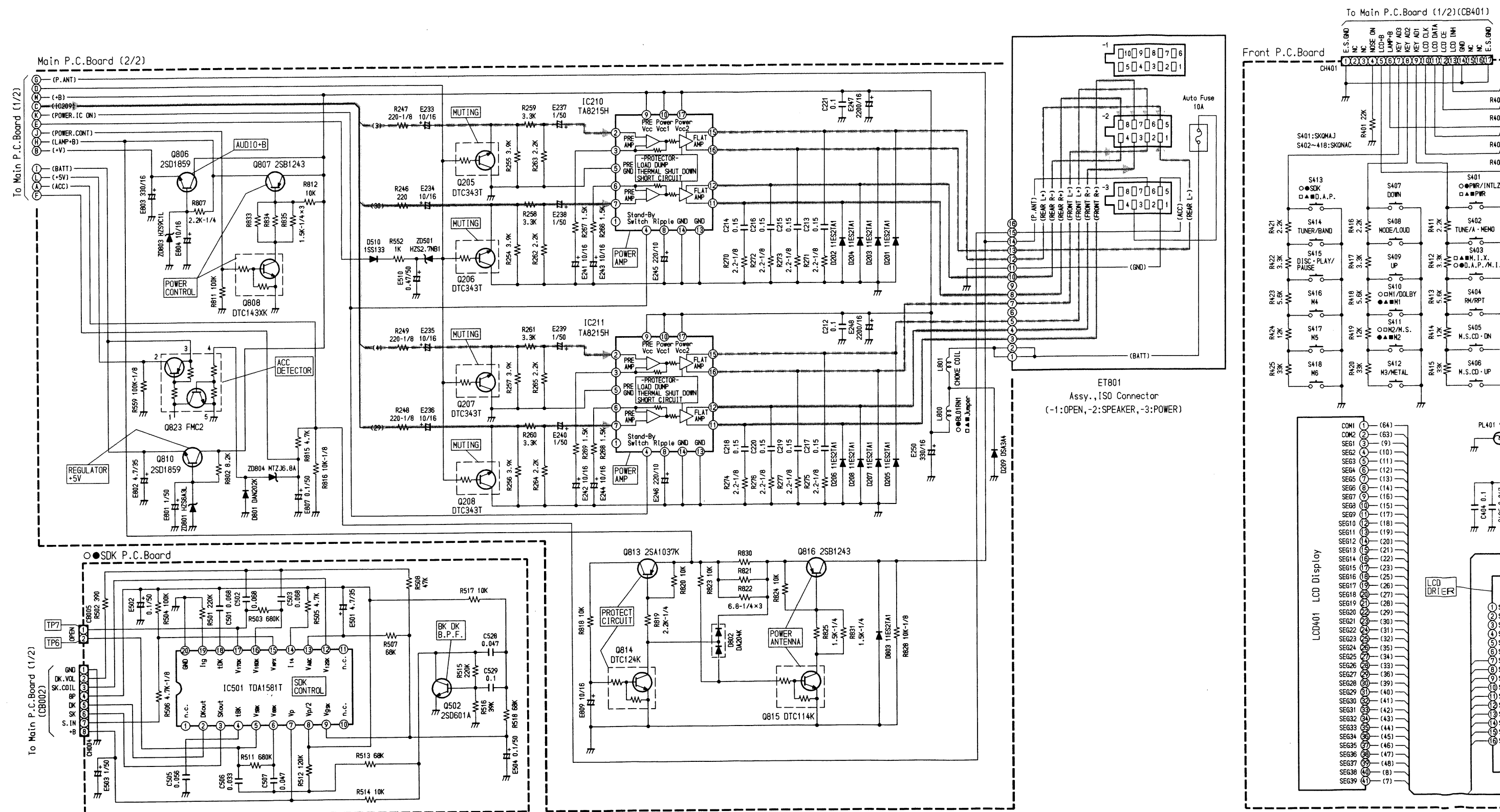
Note : ○ : For TDM-7529T Model Only,
□ : For TDM-7529F Model Only,
● : For TDM-7526T Model Only,
▲ : For TDM-7526W Model Only,
■ : For TDM-7526F Model Only,
Others : Common.

NOTES:

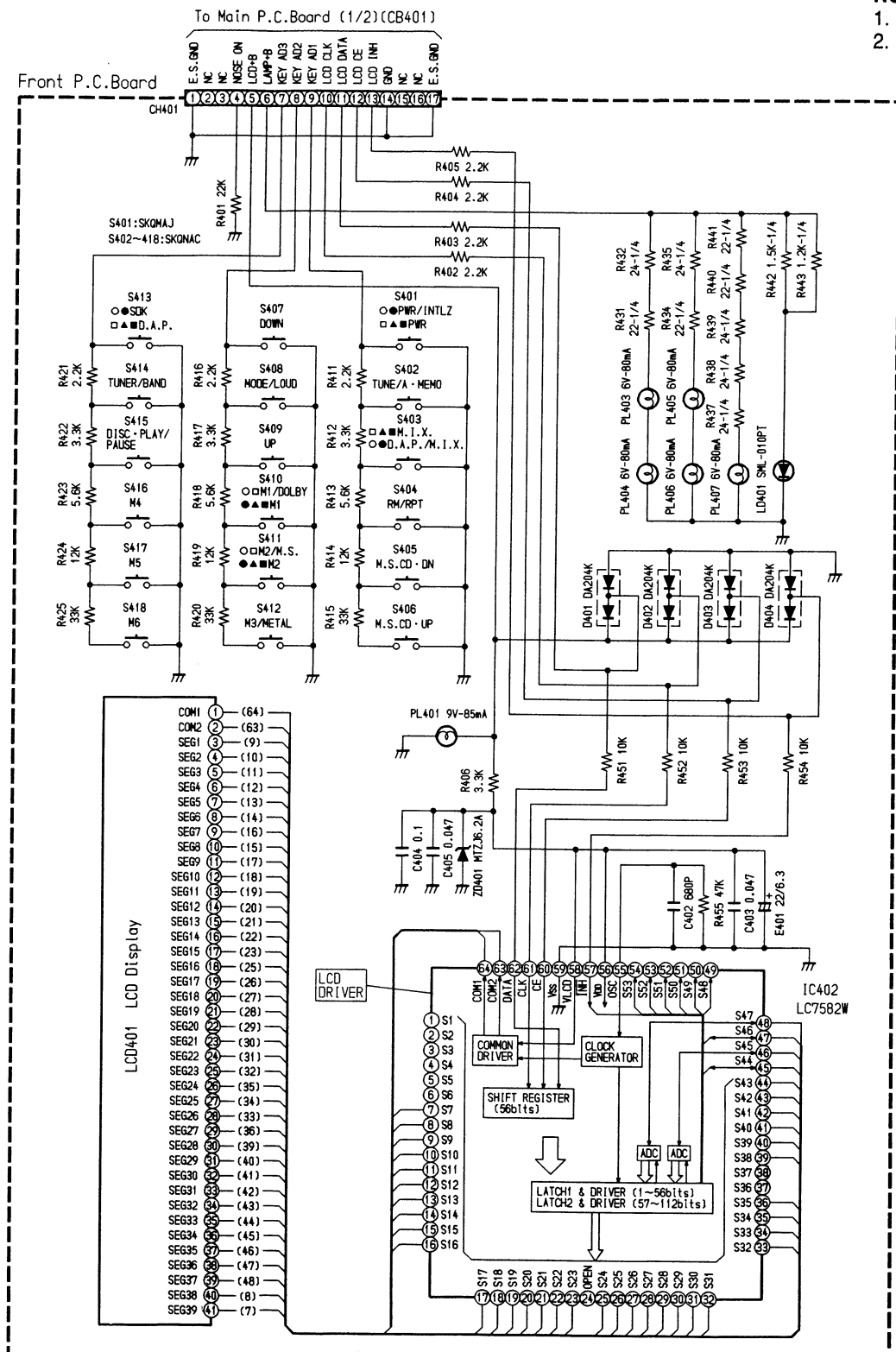
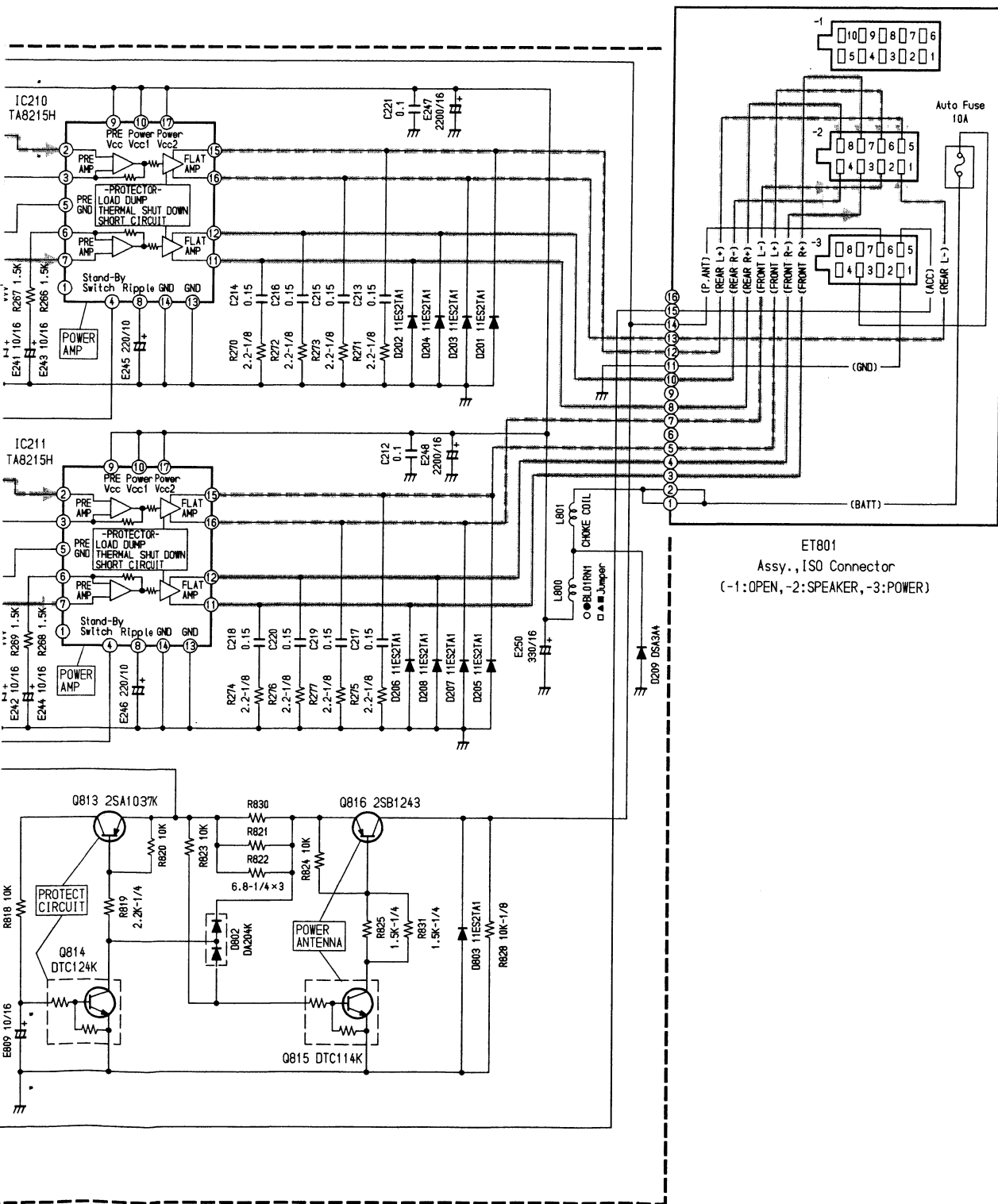
1. All resistance values are in ohms. $K = 1,000$
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

5

IC	IC210 IC211									
	IC501									
Transistor (Q)	Q806	Q808	Q807	Q205	Q206					
	Q810	Q823		Q207	Q208					
				Q502		Q814	Q813	Q815	Q816	



IC210 IC211	IC402
Q814 Q813	Q815 Q816



NOTES:

- All resistance values are in ohms. $K = 1,000$
- All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

IC402

1-54	PS
55	5V
56	5.22V
57	5.01V
58	5.22V
59	0V
60-64	PS

IC501

1	0V	11	0V
2	0.05V	12	4.34V
3	0.04V	13	5.44V
4	0V	14	4.24V
5	4.39V	15	4.32V
6	4.37V	16	4.37V
7	8.73V	17	4.37V
8	4.37V	18	0V
9	5.47V	19	3.64V
10	5.47V	20	0V

IC210

1	2V	10	14.4V
2	4.93V	11	5.98V
3	5.02V	12	6.03V
4	4.9V	13	0V
5	0V	14	0V
6	5V	15	5.99V
7	4.95V	16	6V
8	5V	17	14.4V
9	14.4V		

IC211

1	2V	10	14.4V
2	4.88V	11	5.97V
3	4.9V	12	6.01V
4	4.9V	13	0V
5	0V	14	0V
6	5.04V	15	5.98V
7	4.98V	16	6V
8	5.02V	17	14.4V
9	14.4V		

Q823

1	NC
2	4.95V/0V
3	5.05V/5.1V
4	4.8V/0V
5	0V/0V

MODE : ACC ON/OFF

	E	C	B	MODE
Q205	0V/0V	0V/0V	5.2V/0V	MUTE ON/OFF
Q206	0V/0V	0V/0V	5.2V/0V	MUTE ON/OFF
Q207	0V/0V	0V/0V	5.2V/0V	MUTE ON/OFF
Q208	0V/0V	0V/0V	5.2V/0V	MUTE ON/OFF
Q502	0V	4.4V	0V	
Q806	8.65V/0V	14.44V/14.93V	9.26V/0V	POWER ON/OFF
Q807	14.44V/14.93V	14.38V/0V	13.72V/14.9V	POWER ON/OFF
Q808	0V/0V	0V/14.9V	4.65V/0V	POWER ON/OFF
Q810	4.97V	13.55V	5.55V	RADIO
Q813	14.09V/14.33V	0V/14.32V	13.71V/13.6V	OTHER/PROTECT CIRCUIT ON
Q814	0V/0V	13.34V/0V	0V/10.2V	OTHER/PROTECT CIRCUIT ON
Q815	0V	0V	7.2V	POW ON
Q816	12.96V	12.85V	12.23V	POW ON

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input
- FM : 98.1MHz
- MW : 999kHz (○□●■)
- LW : 216kHz (▲)
- Tape : Blank

Note : ○ : For TDM-7529T Model Only,
□ : For TDM-7529F Model Only,
● : For TDM-7526T Model Only,
▲ : For TDM-7526W Model Only,
■ : For TDM-7526F Model Only,
Others : Common.

Electrical Parts List

Resistor : Carbon resistors under 1 / 4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor : μ F=microfarads, pF=picofarads

Abbreviations			Symbol No.	Part No.	Description
RES.= Resistor	CAP.= Capacitor				
C.F.= Carbon Film	ELY.= Electrolytic				
M.F.= Metal Film	CER.= Ceramic				
M.O.= Metal Oxide Film	MYL.= Mylar				
M.P.= Metal Plate	TAN.= Tantalum				
TR.= Transistor	POLY.= Polystyrol				
TRANS.= Transformer	PP.= Polypropylene				
CP.= Chip	PLT.= Polyethylene				
	PF.= Polyester Film				
Symbol No.	Part No.	Description			
Main P. C. Board					
IC's					
○ IC102	51T65025W01	LA3161	Q109	48T64222F33	CP., UN2226T
□ IC103	51T67915F01	M51143AL	or	48T62967F33	CP., DTC343T
○ IC103	51T67915F01	M51143AL	Q110	48T64222F33	CP., UN2226T
□ IC201	51T92001F21	XRA4560F	or	48T62967F33	CP., DTC343T
IC202	51T65379F21	XRA4558F	Q111	48T84366F01	2SB1243
IC208	51T92001F21	XRA4560F	Q112	48T62967F09	CP., DTC114TK
IC209	51T65131W01	TEA6320T	Q203	48T64222F33	CP., UN2226T
IC210	51T35133W02	TA8215H	or	48T62967F33	CP., DTC343T
or	51T65310W01	MC13309T	Q203	48T64222F33	CP., UN2226T
IC211	51T35133W02	TA8215H	or	48T62967F33	CP., DTC343T
or	51T65310W01	MC13309T	Q204	48T64222F33	CP., UN2226T
○ IC301	51T16466W02	CXA1163M	or	48T62967F33	CP., DTC343T
□ IC301	51T16466W02	CXA1163M	Q204	48T64222F33	CP., UN2226T
○ IC503	51T75377W01	75377W01	or	48T62967F33	CP., DTC343T
□ IC503	51T75377W01	75377W01	Q205	48T64222F33	CP., UN2226T
● IC503	51T75377W03	75377W03	or	48T62967F33	CP., DTC343T
▲ IC503	51T75377W03	75377W03	Q206	48T64222F33	CP., UN2226T
■ IC503	51T75377W03	75377W03	or	48T62967F33	CP., DTC343T
			Q207	48T64222F33	CP., UN2226T
			or	48T62967F33	CP., DTC343T
			Q208	48T64222F33	CP., UN2226T
			or	48T62967F33	CP., DTC343T
			Q209	48T62967F03	CP., DTC124K
			Q209	48T62967F03	CP., DTC124K
			Q503	48T73888F12	CP., FMC2
			Q504	48T62967F03	CP., DTC124K
			Q505	48T62966F03	CP., DTA124
			Q506	48T62967F03	CP., DTC124K
			Q510	48T62967F03	CP., DTC124K
			Q806	48T83835F03	2SD1859
			Q807	48T84366F01	2SB1243
			Q808	48T62967F05	CP., DTC143XK
			Q810	48T83835F03	2SD1859
			Q811	48T83835F03	2SD1859
			Q813	48T63420F01	CP., 2SA1037K
			Q814	48T62967F03	CP., DTC124K
			Q815	48T62967F02	CP., DTC114K
			Q816	48T84366F01	2SB1243
			Q820	48T84234F03	2SB1238
			Q821	48T62967F03	CP., DTC124K
			Q822	48T15289W03	2SD2008
			Q823	48T73888F12	CP., FMC2
Transistors					
▲ Q002	48T90181F05	2SD1993			
Q004	48T90181F05	2SD1993			
Q005	48T73888F08	CP., FMG1			
Q103	48T63420F01	CP., 2SA1037K			
Q104	48T63420F01	CP., 2SA1037K			
Q105	48T62967F09	CP., DTC114TK			
○ Q106	48T84366F01	2SB1243			
□ Q106	48T84366F01	2SB1243			
○ Q107	48T52438F01	CP., 2SD601A			
□ Q107	48T52438F01	CP., 2SD601A			

Notes : ○ : For TDM-7529T Model Only,
● : For TDM-7526T Model Only,
■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,
▲ : For TDM-7526W Model Only,
Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
Diodes / Surge Protector			Capacitors		
○ D105	48T68828F01	1SS133	▲ C001	08S53332F47	CP., 0.01μF
□ D106	48T84052F01	11ES2TA1	E001	23S16086W01	ELY., 220μF / 10V
□ D106	48T84052F01	11ES2TA1	C002	08S65128F69	CP., 0.01μF
D201	48T84052F01	11ES2TA1	C003	08T15399W02	CP., 0.033μF
D202	48T84052F01	11ES2TA1	▲ E003	23S75372W10	ELY., 0.1μF / 50V
D203	48T84052F01	11ES2TA1	C004	08T15399W02	CP., 0.033μF
D204	48T84052F01	11ES2TA1	C005	08T15399W02	CP., 0.033μF
D205	48T84052F01	11ES2TA1	C006	08T15399W01	CP., 0.022μF
D206	48T84052F01	11ES2TA1	C007	08T15399W01	CP., 0.022μF
D207	48T84052F01	11ES2TA1	C008	08S65128F63	CP., 3300pF
D208	48T84052F01	11ES2TA1	E021	23S75372W15	ELY., 1μF / 50V
D209	48T68580F03	DSA3A4	E022	23S75372W13	ELY., 0.47μF / 50V
D501	48T63462F01	CP., DAN202K	E023	23S75372W15	ELY., 1μF / 50V
D503	48T63462F01	CP., DAN202K	C099	23T82372F19	ELY., (B.P) 2.2μF / 50V
D505	48T68828F01	1SS133	C100	08S65128F69	CP., 0.01μF
D510	48T68828F01	1SS133	C101	08S65128F56	CP., 820pF
D511	48T63462F01	CP., DAN202K	C102	08S65128F56	CP., 820pF
D801	48T63462F01	CP., DAN202K	C103	08T15399W04	CP., 0.027μF
D802	48T64134F01	CP., DA204K	C104	08S65128F65	CP., 4700pF
D803	48T84052F01	11ES2TA1	C105	08S65128F65	CP., 4700pF
ZD102	48T90517F26	Zener, HZS5.6NB1	○ C107	08S65128F35	CP., 100pF
ZD501	48T90517F07	Zener, HZS2.7NB1	□ C107	08S65128F35	CP., 100pF
ZD503	48T90517F36	Zener, HZS7.5NB2	C114	08T15399W04	CP., 0.027μF
ZD801	48T83128F03	Zener, HZS6A3L	○ E151	23S75372W15	ELY., 1μF / 50V
ZD803	48T83128F25	Zener, HZS9C1L	□ E151	23S75372W15	ELY., 1μF / 50V
ZD804	48T26033W32	Zener, MTZJ6.8A	○ E152	23S75372W15	ELY., 1μF / 50V
ZD805	48T83128F27	Zener, HZS9C3L	□ E152	23S75372W15	ELY., 1μF / 50V
ZD806	48T83128F25	Zener, HZS9C1L	E153	23S75372W16	ELY., 2.2μF / 50V
DSP001	48T81909F01	Surge Protector, DSP-201M	E154	23S75372W16	ELY., 2.2μF / 50V
			E155	23S16086W01	ELY., 220μF / 10V
			E156	23S16086W01	ELY., 220μF / 10V
			E157	23S75372W13	ELY., 0.47μF / 50V
			E158	23S75372W13	ELY., 0.47μF / 50V
			E161	23S16086W03	ELY., 100μF / 16V
			E162	23S75372W15	ELY., 1μF / 50V
			E163	23S75373W04	ELY., 33μF / 16V
			E164	23S75372W05	ELY., 22μF / 16V
			E165	23S75372W16	ELY., 2.2μF / 50V
			E165	23S75372W16	ELY., 2.2μF / 50V
			○ E166	23S75372W10	ELY., 0.1μF / 50V
			□ E166	23S75372W10	ELY., 0.1μF / 50V
			○ E167	23S75372W15	ELY., 1μF / 50V
			□ E167	23S75372W15	ELY., 1μF / 50V
			○ E168	23S75372W10	ELY., 0.1μF / 50V
			□ E168	23S75372W10	ELY., 0.1μF / 50V
			○ E169	23S75372W10	ELY., 0.1μF / 50V
			□ E169	23S75372W10	ELY., 0.1μF / 50V
			E202	23S75372W02	ELY., 100μF / 10V
			E203	23S75372W15	ELY., 1μF / 50V
Coils					
▲ L001	24T50508F18	Inductor, 4.7μH			
○ L002	24T94308F01	Inductor, 100mH			
○ L501	24T84175F51	FB-75G (57KHz)			
● L501	24T84175F51	FB-75G (57KHz)			
○ L800	24T35072W01	FBI, BL01RN1			
● L800	24T35072W01	FBI, BL01RN1			
L801	24T75055W03	Choke			
Filter					
BPF001	91T75257W01	LPF11830K			
Crystal					
X501	91T25806W23	4.5MHz			

Notes : ○ : For TDM-7529T Model Only,
● : For TDM-7526T Model Only,
■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,
▲ : For TDM-7526W Model Only,
Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
○ E204	23S75372W15	ELY., 1μF / 50V	○ E247	23T75346W01	ELY., 2200μF / 16V
E205	23S75372W09	ELY., 4.7μF / 35V	E248	23T75346W01	ELY., 2200μF / 16V
E206	23S75372W09	ELY., 4.7μF / 35V	E250	23T35463W26	ELY., 330μF / 16V
C207	08T15399W02	CP., 0.033μF	○ E260	23S75372W04	ELY., 10μF / 16V
E207	23S75372W09	ELY., 4.7μF / 35V	□ E260	23S75372W04	ELY., 10μF / 16V
C208	08T15399W02	CP., 0.033μF	○ E301	23S75372W04	ELY., 10μF / 16V
E208	23S75372W09	ELY., 4.7μF / 35V	□ E301	23S75372W04	ELY., 10μF / 16V
C209	08S65128F66	CP., 5600pF	○ E302	23S75372W02	ELY., 100μF / 10V
E209	23S75372W07	ELY., 47μF / 16V	□ E302	23S75372W02	ELY., 100μF / 10V
C210	08S53332F44	CP., 5600pF	○ E303	23S75372W05	ELY., 22μF / 16V
E210	23S75372W02	ELY., 100μF / 10V	□ E303	23S75372W05	ELY., 22μF / 16V
C211	08S53332F47	CP., 0.01μF	○ E304	23S75372W14	ELY., 0.68μF / 50V
E211	23S75372W07	ELY., 47μF / 16V	□ E304	23S75372W14	ELY., 0.68μF / 50V
C212	08T15807W05	CP., 0.1μF	○ E305	23S75372W14	ELY., 0.68μF / 50V
E212	23S75372W15	ELY., 1μF / 50V	□ E305	23S75372W14	ELY., 0.68μF / 50V
C213	08T65020W07	CP., 0.15μF	C501	08S65128F69	CP., 0.01μF
C214	08T65020W07	CP., 0.15μF	C503	08S65128F35	CP., 100pF
C215	08T65020W07	CP., 0.15μF	○ C504	08T55390W07	PF., 1500pF
E215	23S75372W04	ELY., 10μF / 16V	● C504	08T55390W07	PF., 1500pF
C216	08T65020W07	CP., 0.15μF	C505	08S65128F57	CP., 1000pF
C217	08T65020W07	CP., 0.15μF	● C506	08S65128F35	CP., 100pF
E217	23S75372W15	ELY., 1μF / 50V	▲ C506	08S65128F35	CP., 100pF
C218	08T65020W07	CP., 0.15μF	■ C506	08S65128F35	CP., 100pF
C219	08T65020W07	CP., 0.15μF	● C507	08S53332F23	CP., 100pF
C220	08T65020W07	CP., 0.15μF	▲ C507	08S53332F23	CP., 100pF
C221	08T15807W05	CP., 0.1μF	■ C507	08S53332F23	CP., 100pF
E222	23S75372W15	ELY., 1μF / 50V	C508	08S53332F23	CP., 100pF
E223	23S75372W14	ELY., 0.68μF / 50V	C509	08S53332F23	CP., 100pF
E224	23S75372W14	ELY., 0.68μF / 50V	○ C510	08S65480F61	CER., 0.01μF
E225	23S75372W04	ELY., 10μF / 16V	● C510	08S65480F61	CER., 0.01μF
E227	23S75372W04	ELY., 10μF / 16V	E510	23S75372W13	ELY., 0.47μF / 50V
E228	23S75372W04	ELY., 10μF / 16V	C511	08S65128F47	CP., 330pF
○ E231	23S75372W04	ELY., 10μF / 16V	C515	08S65128F57	CP., 1000pF
□ E231	23S75372W04	ELY., 10μF / 16V	C517	08S65128F69	CP., 0.01μF
○ E232	23S75372W04	ELY., 10μF / 16V	C518	08S65128F19	CP., 22pF
□ E232	23S75372W04	ELY., 10μF / 16V	C519	08S65128F19	CP., 22pF
E233	23S75372W04	ELY., 10μF / 16V	C520	08S53332F23	CP., 100pF
E234	23S75372W04	ELY., 10μF / 16V	E520	23S16086W01	ELY., 220μF / 10V
E235	23S75372W04	ELY., 10μF / 16V	C521	08S53332F23	CP., 100pF
E236	23S75372W04	ELY., 10μF / 16V	E801	23S75373W13	ELY., 1μF / 50V
E237	23T55405W15	ELY., 1μF / 50V	E802	23S75373W07	ELY., 4.7μF / 35V
E238	23T55405W15	ELY., 1μF / 50V	E803	23T35463W26	ELY., 330μF / 16V
E239	23T55405W15	ELY., 1μF / 50V	E804	23S75373W02	ELY., 10μF / 16V
E240	23T55405W15	ELY., 1μF / 50V	C806	08T15399W01	CP., 0.022μF
E241	23T55405W01	ELY., 10μF / 16V	E807	23S75373W08	ELY., 0.1μF / 50V
E242	23T55405W01	ELY., 10μF / 16V	E809	23S75373W02	ELY., 10μF / 16V
E243	23T55405W01	ELY., 10μF / 16V	E811	23S16086W01	ELY., 220μF / 10V
E244	23T55405W01	ELY., 10μF / 16V			
E245	23T94181F40	ELY., 220μF / 10V			
E246	23T94181F40	ELY., 220μF / 10V			

Notes : ○ : For TDM-7529T Model Only,
● : For TDM-7526T Model Only,
■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,
▲ : For TDM-7526W Model Only,
Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)					
○	R002	06S53330F53 1K ohm 1/8W	○	R156	06S64995F53 1K ohm
□	R005	06S64995F65 3.3K ohm	○	R157	06S64995F53 1K ohm
●	R006	06S64995F53 1K ohm	○	R158	06S53330F77 10K ohm 1/8W
▲	R007	06S64995F65 3.3K ohm	○	R158	06S53330F77 10K ohm 1/8W
■	R008	06S64995F53 1K ohm	○	R159	06S53330F77 10K ohm 1/8W
○	R009	06S64995F05 10 ohm	□	R159	06S53330F77 10K ohm 1/8W
□	R010	06S64995F49 680 ohm	○	R160	06S64996F18 470K ohm
●	R011	06S64995F81 15K ohm	□	R160	06S64996F18 470K ohm
▲	R013	06S64995F75 8.2K ohm	○	R161	06S64996F18 470K ohm
■	R014	06S53330F71 5.6K ohm 1/8W	□	R161	06S64996F18 470K ohm
○	R016	06S64996F02 100K ohm	○	R162	06S64996F10 220K ohm
□	R018	06S64995F83 18K ohm	□	R162	06S64996F10 220K ohm
●	R018	06S64995F83 18K ohm	○	R163	06S64995F69 4.7K ohm
▲	R018	06S64995F81 15K ohm	□	R163	06S64995F69 4.7K ohm
■	R018	06S64995F81 15K ohm	○	R164	06S64995F77 10K ohm
○	R018	06S64995F81 15K ohm	□	R164	06S64995F77 10K ohm
□	R019	06S64995F83 18K ohm	○	R165	06S64995F77 10K ohm
●	R019	06S64995F83 18K ohm	□	R165	06S64995F77 10K ohm
▲	R019	06S64995F81 15K ohm	○	R166	06S70072F53 1K ohm 1/4W
■	R019	06S64995F81 15K ohm	□	R166	06S70072F53 1K ohm 1/4W
○	R019	06S64995F81 15K ohm	○	R167	06S70072F53 1K ohm 1/4W
□	R019	06S64995F81 15K ohm	□	R167	06S70072F53 1K ohm 1/4W
●	R019	06S64995F81 15K ohm	○	R168	06S70072F53 1K ohm 1/4W
▲	R019	06S64995F81 15K ohm	□	R168	06S70072F53 1K ohm 1/4W
■	R019	06S64995F81 15K ohm	○	R202	06S64995F57 1.5K ohm
○	R020	06S64995F61 2.2K ohm	□	R202	06S64995F57 1.5K ohm
□	R021	06S64995F61 2.2K ohm	○	R203	06S53330F53 1K ohm 1/8W
●	R022	06S64995F93 47K ohm	□	R203	06S53330F53 1K ohm 1/8W
▲	R023	06S64995F97 68K ohm	○	R204	06S64995F53 1K ohm
■	R023	06S64995F97 68K ohm	□	R204	06S64995F53 1K ohm
○	R100	06S70072F57 1.5K ohm 1/4W	○	R206	06S53330F53 1K ohm 1/8W
□	R101	06S70072F57 1.5K ohm 1/4W	○	R207	06S53330F53 1K ohm 1/8W
●	R102	06S64995F77 10K ohm	○	R224	06S64995F77 10K ohm
▲	R103	06S64996F02 100K ohm	○	R225	06S64995F77 10K ohm
■	R104	06S64995F91 39K ohm	○	R226	06S64995F77 10K ohm
○	R109	06S64996F04 120K ohm	○	R227	06S64995F77 10K ohm
□	R110	06S64996F04 120K ohm	○	R228	06S64995F88 30K ohm
●	R111	06S64995F69 4.7K ohm	○	R229	06S64995F88 30K ohm
▲	R112	06S64995F69 4.7K ohm	○	R230	06S64995F88 30K ohm
■	R113	06S64995F21 47 ohm	○	R231	06S53330F88 30K ohm 1/8W
○	R114	06S64995F21 47 ohm	○	R242	06S64995F93 47K ohm
□	R116	06S70072F78 2.2 ohm 1/4W	□	R242	06S64995F93 47K ohm
●	R117	06S64995F71 5.6K ohm	○	R243	06S64995F93 47K ohm
▲	R118	06S53330F71 5.6K ohm 1/8W	□	R243	06S64995F93 47K ohm
■	R119	06S64996F02 100K ohm	○	R243	06S64995F93 47K ohm
○	R120	06S64996F02 100K ohm	○	R244	06S64995F37 220 ohm
□	R122	06S64995F77 10K ohm	○	R244	06S64995F37 220 ohm
●	R151	06S64995F77 10K ohm	○	R245	06S64995F37 220 ohm
▲	R151	06S64995F77 10K ohm	○	R246	06S64995F37 220 ohm
■	R151	06S64995F77 10K ohm	○	R247	06S53330F37 220 ohm 1/8W
○	R152	06S64995F77 10K ohm	○	R247	06S53330F37 220 ohm 1/8W
□	R152	06S64995F77 10K ohm	○	R247	06S53330F37 220 ohm 1/8W
●	R152	06S64995F77 10K ohm	○	R247	06S53330F37 220 ohm 1/8W

Notes : ○ : For TDM-7529T Model Only,
● : For TDM-7526T Model Only,
▲ : For TDM-7526W Model Only,
■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,
Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R248	06S53330F37	220 ohm 1/8W	R527	06S64995F85	22K ohm
R249	06S53330F37	220 ohm 1/8W	R531	06S64995F93	47K ohm
R254	06S64995F67	3.9K ohm	R532	06S64995F93	47K ohm
R255	06S64995F67	3.9K ohm	R537	06S64995F77	10K ohm
R256	06S64995F67	3.9K ohm	R538	06S64995F77	10K ohm
R257	06S64995F67	3.9K ohm	R548	06S64995F85	22K ohm
R260	06S64995F65	3.3K ohm	R549	06S64995F85	22K ohm
R261	06S64995F65	3.3K ohm	R550	06S64995F85	22K ohm
R262	06S64995F61	2.2K ohm	R551	06S64995F37	220 ohm
R263	06S64995F61	2.2K ohm	R552	06S64995F53	1K ohm
R264	06S64995F61	2.2K ohm	R553	06S64995F53	1K ohm
R265	06S64995F61	2.2K ohm	R559	06S53331F02	100K ohm 1/8W
R266	06S64995F57	1.5K ohm	R561	06S64995F53	1K ohm
R267	06S64995F57	1.5K ohm	R561	06S64995F53	1K ohm
R268	06S64995F57	1.5K ohm	R801	06S70072F04	8.2 ohm 1/4W
R269	06S64995F57	1.5K ohm	R802	06S64995F75	8.2K ohm
R270	06S53331F40	2.2 ohm 1/8W	R807	06S70072F61	2.2K ohm 1/4W
R271	06S53331F40	2.2 ohm 1/8W	R811	06S64996F02	100K ohm
R272	06S53331F40	2.2 ohm 1/8W	R812	06S64995F77	10K ohm
R273	06S53331F40	2.2 ohm 1/8W	R813	06S70072F53	1K ohm 1/4W
R274	06S53331F40	2.2 ohm 1/8W	R816	06S53330F77	10K ohm 1/8W
R275	06S53331F40	2.2 ohm 1/8W	R818	06S64995F77	10K ohm
R276	06S53331F40	2.2 ohm 1/8W	R819	06S70072F61	2.2K ohm 1/4W
R277	06S53331F40	2.2 ohm 1/8W	R820	06S64995F77	10K ohm
R291	06S64995F87	27K ohm	R821	06S70072F03	6.8 ohm 1/4W
R292	06S64995F87	27K ohm	R822	06S70072F03	6.8 ohm 1/4W
R295	06S64995F57	1.5K ohm	R823	06S64995F77	10K ohm
R295	06S64995F57	1.5K ohm	R824	06S64995F77	10K ohm
R296	06S64995F53	1K ohm	R825	06S70072F57	1.5K ohm 1/4W
R296	06S64995F53	1K ohm	R828	06S53330F77	10K ohm 1/8W
R300	06S70072F53	1K ohm 1/4W	R830	06S70072F03	6.8 ohm 1/4W
R300	06S70072F53	1K ohm 1/4W	R831	06S70072F57	1.5K ohm 1/4W
R300	06S70072F53	1K ohm 1/4W	R832	06S70072F61	2.2K ohm 1/4W
R301	06S64995F92	43K ohm	R833	06S70072F57	1.5K ohm 1/4W
R301	06S64995F92	43K ohm	R834	06S70072F57	1.5K ohm 1/4W
R302	06S64995F85	22K ohm	R835	06S70072F57	1.5K ohm 1/4W
R302	06S64995F85	22K ohm	R836	06S64995F77	10K ohm
R303	06S64996F30	2.2M ohm	R837	06S70072F53	1K ohm 1/4W
R303	06S64996F30	2.2M ohm	VR101	18T45241W13	Variable, 10K ohm
R304	06S64996F30	2.2M ohm	VR101	18T45241W13	Variable, 10K ohm
R304	06S64996F30	2.2M ohm	VR102	18T45241W13	Variable, 10K ohm
R509	06S64995F77	10K ohm	VR102	18T45241W13	Variable, 10K ohm
R510	06S64995F77	10K ohm	VR501	18T81060F04	Variable, 330 ohm
R520	06S64995F95	56K ohm	VR501	18T81060F04	Variable, 330 ohm
R521	06S53330F77	10K ohm 1/8W			
R522	06S53330F89	33K ohm 1/8W			
R523	06S64995F89	33K ohm			
R524	06S53330F77	10K ohm 1/8W			
R525	06S53330F77	10K ohm 1/8W			
R526	06S53330F77	10K ohm 1/8W			

Notes : ○ : For TDM-7529T Model Only,
 ● : For TDM-7526T Model Only,
 ■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,
 ▲ : For TDM-7526W Model Only,
 Others : Common.

Symbol No.	Part No.	Description
Front P. C. Board		
IC		
IC402	51T83905F03	LC7582W
Diodes		
D401 D402 D403 D404 ZD401	48T64134F01 48T64134F01 48T64134F01 48T64134F01 48T45012W29	CP., DA204K CP., DA204K CP., DA204K CP., DA204K Zener, MTZJ6.2A
Switches		
○ S401 □ S401 ● S401 ▲ S401 ■ S401	40T55656W03 40T55656W03 40T55656W03 40T55656W03 40T55656W03	CP. Tact, SKQMAJ (PWR / INTLZ) CP. Tact, SKQMAJ (PWR) CP. Tact, SKQMAJ (PWR / INTLZ) CP. Tact, SKQMAJ (PWR) CP. Tact, SKQMAJ (PWR)
	S402	40T75234W01 Tact, SKQNAC (TUNE / A. MEMO)
○ S403 □ S403 ● S403 ▲ S403	40T75234W01 40T75234W01 40T75234W01 40T75234W01	Tact, SKQNAC (D.A.P./M.I.X.) Tact, SKQNAC (M.I.X.) Tact, SKQNAC (D.A.P./M.I.X.) Tact, SKQNAC (M.I.X.)
■ S403 S404 S405 S406 S407	40T75234W01 40T75234W01 40T75234W01 40T75234W01 40T75234W01	Tact, SKQNAC (M.I.X.) Tact, SKQNAC (RM / RPT) Tact, SKQNAC (M.S. CD · DN) Tact, SKQNAC (M.S. CD · UP) Tact, SKQNAC (DOWN)
	S408 S409 S410 S410 S410	40T75234W01 Tact, SKQNAC (MODE / LOUD) 40T75234W01 Tact, SKQNAC (UP) 40T75234W01 Tact, SKQNAC (M1 / DOLBY) 40T75234W01 Tact, SKQNAC (M1 / DOLBY) 40T75234W01 Tact, SKQNAC (M1)
○ S410 □ S410 ● S410	40T75234W01 40T75234W01 40T75234W01	Tact, SKQNAC (M1) Tact, SKQNAC (M1) Tact, SKQNAC (M1)
▲ S410 ■ S410 ○ S411 □ S411 ● S411	40T75234W01 40T75234W01 40T75234W01 40T75234W01 40T75234W01	Tact, SKQNAC (M2) Tact, SKQNAC (M2) Tact, SKQNAC (M2 / M.S.) Tact, SKQNAC (M2 / M.S.) Tact, SKQNAC (M2)
▲ S411 ■ S411 S412 ○ S413 □ S413	40T75234W01 40T75234W01 40T75234W01 40T75234W01 40T75234W01	Tact, SKQNAC (M2) Tact, SKQNAC (M2) Tact, SKQNAC (M3 / METAL) Tact, SKQNAC (SDK) Tact, SKQNAC (D.A.P.)
● S413 ▲ S413	40T75234W01 40T75234W01	Tact, SKQNAC (SDK) Tact, SKQNAC (D.A.P.)

Notes : ○ : For TDM-7529T Model Only,
● : For TDM-7526T Model Only,
■ : For TDM-7526F Model Only,

Symbol No.	Part No.	Description
■ S413 S414 S415 S416 S417 S418	40T75234W01 40T75234W01 40T75234W01 40T75234W01 40T75234W01 40T75234W01	Tact, SKQNAC (D.A.P.) Tact, SKQNAC (TUNER / BAND) Tact, SKQNAC (DISC · PLAY / PAUSE) Tact, SKQNAC (M4) Tact, SKQNAC (M5) Tact, SKQNAC (M6)
Lamps		
PL401 PL403 PL404 PL405 PL406 PL407	65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA
LED		
LD401	48T65477W03	CP., SML-010PT (GRN)
Capacitors		
E401 C402 C403 C404 C405	23S61523F05 08S82122F57 08T15399W03 08S65128F76 08T15399W03	ELY., 22μF / 6.3V CP., 680pF CP., 0.047μF CP., 0.1μF CP., 0.047μF
Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)		
R401 R402 R403 R404 R405 R406 R411 R412 R413 R414	06S64995F85 06S64995F61 06S64995F61 06S64995F61 06S64995F61 06S64995F65 06S64995F61 06S64995F65 06S64995F71 06S64995F79	22K ohm 2.2K ohm 2.2K ohm 2.2K ohm 2.2K ohm 3.3K ohm 2.2K ohm 3.3K ohm 5.6K ohm 12K ohm

□ : For TDM-7529F Model Only,
▲ : For TDM-7526W Model Only,
Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R415	06S64995F89	33K ohm	C505	08T55390W26	TF, 0.056μF
R416	06S64995F61	2.2K ohm	C506	08T55390W23	TF, 0.033μF
R417	06S64995F65	3.3K ohm	C507	08T55390W25	TF, 0.047μF
R418	06S64995F71	5.6K ohm	C528	08T55390W25	TF, 0.047μF
R419	06S64995F79	12K ohm	C529	08T55390W29	TF, 0.1μF
R420	06S64995F89	33K ohm	Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)		
R421	06S64995F61	2.2K ohm	R501	06S64996F10	220K ohm
R422	06S64995F65	3.3K ohm	R502	06S64995F43	390 ohm
R423	06S64995F71	5.6K ohm	R503	06S64996F22	680K ohm
R424	06S64995F79	12K ohm	R504	06S64996F02	100K ohm
R425	06S64995F89	33K ohm	R505	06S64995F69	4.7K ohm
R431	06S70072F13	22 ohm 1/4W	R506	06S53330F69	4.7K ohm 1/8W
R432	06S70072F14	24 ohm 1/4W	R507	06S64995F97	68K ohm
R434	06S70072F13	22 ohm 1/4W	R508	06S64995F93	47K ohm
R435	06S70072F14	24 ohm 1/4W	R511	06S64996F22	680K ohm
R437	06S70072F14	24 ohm 1/4W	R512	06S64996F04	120K ohm
R438	06S70072F14	24 ohm 1/4W	R513	06S64995F97	68K ohm
R439	06S70072F14	24 ohm 1/4W	R514	06S64995F77	10K ohm
R440	06S70072F13	22 ohm 1/4W	R515	06S64996F10	220K ohm
R441	06S70072F13	22 ohm 1/4W	R516	06S64995F91	39K ohm
R442	06S70072F57	1.5K ohm 1/4W	R517	06S64995F77	10K ohm
R443	06S70072F55	1.2K ohm 1/4W	R518	06S64995F97	68K ohm
R451	06S64995F77	10K ohm	Miscellaneous		
R452	06S64995F77	10K ohm	CB401	09T55607W13	17Pin Connector
R453	06S64995F77	10K ohm	CH401	09T55608W17	17Pin Connector
R454	06S64995F77	10K ohm	ET001	09T55211W01	Antenna Receptacle
R455	06S64995F93	47K ohm	○ ET201	01T55244W05	Remote Turn-On / Rear Output RCA Connector
SDK P. C. Board (○, ●)			□ ET201	01T55244W05	Remote Turn-On / Rear Output RCA Connector
IC			● ET201	01T75187W02	Remote Turn-On
IC501	51T55490W01	TDA1581T	▲ ET201	01T75187W02	Remote Turn-On
Transistor			■ ET201	01T75187W02	Remote Turn-On
Q502	48T52438F01	CP., 2SD601A	ET801	01T75292W01	Assy., ISO Connector (OPEN / SPEAKER / POWER) Head
Capacitors			HD1101	88E20705S01	
C501	08T55390W27	TF, 0.068μF	JK502	09T16653W01	DIN Connector
E501	23S75373W07	ELY., 4.7μF / 35V	LCD401	65T75144W01	LCD Display
C502	08T55390W27	TF, 0.068μF	M1501	01E20699S01	Assy., Motor
E502	23S75373W08	ELY., 0.1μF / 50V	S1501	40E20707S01	Switch, Slide (FWD / REV)
C503	08T55390W27	TF, 0.068μF	S1502	40E20709S01	Switch, Leaf (MUTE)
E503	23S75372W15	ELY., 1μF / 50V	S1503	40E20706S01	Switch (POWER)
E504	23S75373W08	ELY., 0.1μF / 50V	○ SD1501	47E20710S01	Solenoid
			□ SD1501	47E20710S01	Solenoid

Notes : ○ : For TDM-7529T Model Only,
● : For TDM-7526T Model Only,
■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,
▲ : For TDM-7526W Model Only,
Others : Common.

Cabinet Assembly Parts List

Note : No parts number on parts list are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description	
○	1	3-B	01V73200W31	Assy., Nose Unit	34	3-B	14S61338W16	Insulator, Cover
□	1	3-B	01V73200W36	Assy., Nose Unit	35	2-G	15A70387W01	Holder, Antenna
●	1	3-B	01V71800W07	Assy., Nose Unit	36		03S38013W13	Screw, Bind (M2.6×6)
▲	1	3-B	01V71700W73	Assy., Nose Unit				
■	1	3-B	01V71700W69	Assy., Nose Unit				
	2	5-E	13C70269W01	Assy., Front Escutcheon				
	3	5-C	33C70276W01	Assy., Face Plate				
	8		03S44205G29	Screw, Pan (M2.6×6)				
	10	2-G	03S38013W02	Screw, Pan (M2.6×14)				
	11		03S38013W24	Screw, Pan (M2.6×6)				
○	13	3-E	77B70362W01	FM/MW Tuner Unit, MB4R4010 (FE001)				
□	13	3-E	77B70362W01	FM/MW Tuner Unit, MB4R4010 (FE001)				
●	13	3-E	77B70362W01	FM/MW Tuner Unit, MB4R4010 (FE001)				
▲	13	3-E	77B70363W01	FM/LW Tuner Unit, MB4R4020 (FE001)				
■	13	3-E	77B70362W01	FM/MW Tuner Unit, MB4R4010 (FE001)				
	16	4-D	15B70308W01	Case, LCD				
	17	4-C	61A70307W01	Lens, LCD				
	18	4-C	15B70310W01	Cover, LCD				
	19	4-C	26A70309W01	Reflector, Sheet				
	20	3-C	75T75143W01	Rubber, Connector				
○	21	1-F	81T65046W01	Cassette Deck, GS75A020				
□	21	1-F	81T65046W01	Cassette Deck, GS75A020				
●	21	1-F	81T65045W01	Cassette Deck, GS75A010				
▲	21	1-F	81T65045W01	Cassette Deck, GS75A010				
■	21	1-F	81T65045W01	Cassette Deck, GS75A010				
	23	1-E	36A71255W01	Knob, Deck (EJECT)				
	24	2-E	36T00356K01	Knob, Deck (FF / REW)				
	25		03S44205G30	Screw, Pan (M2.6×4)				
○	26	4-B	13D70253W09	Assy., Nosepiece				
□	26	4-B	13D70253W10	Assy., Nosepiece				
●	26	4-B	13D70253W05	Assy., Nosepiece				
▲	26	4-B	13D70253W07	Assy., Nosepiece				
■	26	4-B	13D70253W06	Assy., Nosepiece				
	27	3-C	13D70268W01	Nose, Bottom				
	28	3-B	36B70264W01	Knob, EJECT				
	29	3-C	36B70265W01	Knob, FF				
	30	3-C	36B70266W01	Knob, REW				
	31	3-C	41A70267W01	Spring, EJECT				
	32	3-C	41A70267W02	Spring, FF / REW				
	33	3-D	03S68555F39	Screw, Countersink (M1.7×10)				

Notes : ○ : For TDM-7529T Model Only,
● : For TDM-7526T Model Only,
■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,
▲ : For TDM-7526W Model Only,
Others : Common.

1

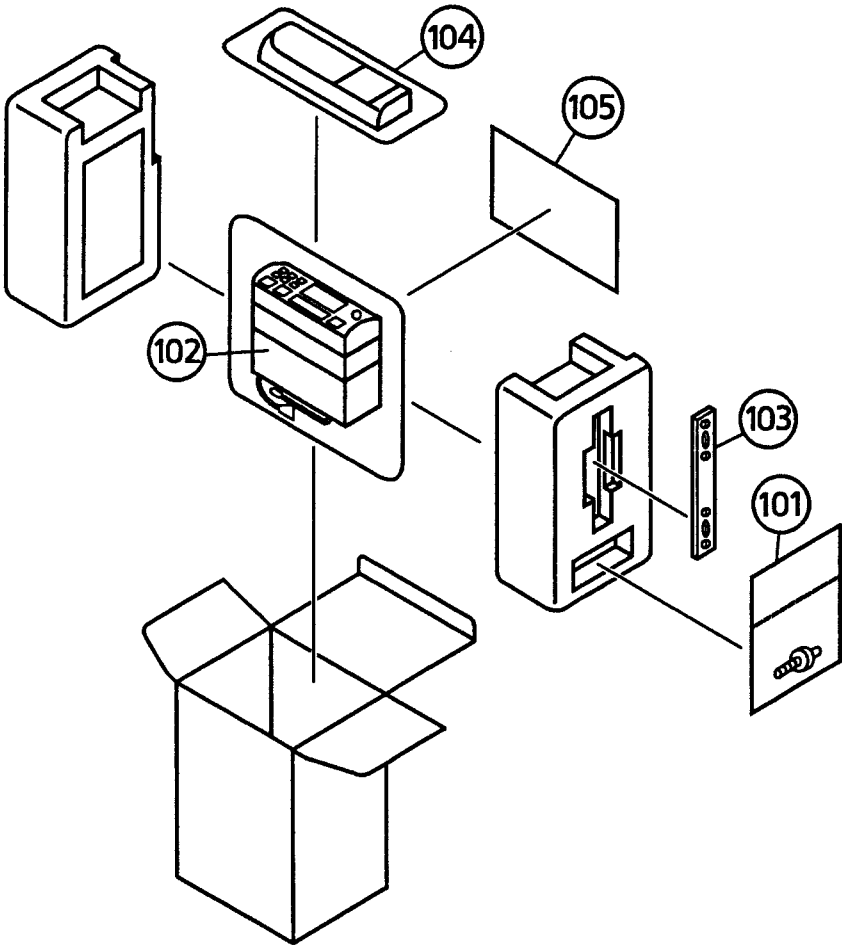


5

Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
101-1	02B47353F01	Nut, Hex. (M5)			
101-2	03S72235F13	Screw, Countersink (M5×8)			
101-3	46A42363F01	Stud, Bolt			
101-4	36A11113W01	Cap, Rubber			
101-5	03A11112W01	Bolt, Hex. (M5×25)			
101-6	01T75363W01	Antenna, Adapter			
102	15D50406W01	Case, Inner			
103	07B64552F01	Bracket, Strap Receiver			
104	15D70318W01	Carrying Case			
105	68P61329W39	Owner's Manual			

Packing Method View



Semi - Conductor Lead Identifications

○, ●

TDA1581T : IC501

○, □

75377W01

●, ▲, ■

75377W03

IC503

PIN NO.	CODE	ADDRESS	I/O	PIN NO.	CODE	ADDRESS	I/O	PIN NO.	CODE	ADDRESS	I/O	PIN NO.	CODE	ADDRESS	I/O
1	AREA 0	I	21	ALARM	0	41	VDD 2	—	61	NC	—				
2	AREA 1	I	22	EV.DAT A	0	42	NC	—	62	NC	—				
3	SD/ST	I	23	EV.CLK	0	43	NC	—	63	NC	—				
4	NC	—	24	NC	—	44	NC	—	64	NC	—				
5	SK	I	25	NC	—	45	L/5	0	65	NC	—				
6	DK	I	26	FM.IF	I	46	OC	0	66	NC	—				
7	AM	I	27	AM.IF	I	47	REQ	0	67	NC	—				
8	NC	—	28	NC	—	48	OC	0	68	NC	—				
9	NC	—	29	S-METER	I	49	FM/AM	0	69	NC	—				
10	CHG.D.OUT	0	30	VDD 1	—	50	NC	—	70	A.MUTE	0				
11	CHG.D.IN	I	31	AM OSC	I	51	NC	—	71	POWER.IC ON	0				
12	ACC	I	32	FM OSC	I	52	NC	—	72	POWER. CONT	0				
13	BATT	I	33	GND	—	53	NC	—	73	NC	—				
14	MEAL	0	34	X OUT	0	54	LCD.INH	0	74	NC	—				
15	PACK-IN	I	35	X IN	I	55	LCD CE	0	75	NOSE.ON	I				
16	FOR/REV	I	36	EO	0	56	LCD DATA	0	76	KEY-IN AD 1	I				
17	MUTE-IN	I	37	NC	—	57	LCD CLK	0	77	KEY-IN AD 2	I				
18	NC	—	38	NC	—	58	NC	—	78	KEY-IN AD 3	I				
19	NC	—	39	NC	—	59	NC	—	79	MODEL 0	I				
20	M.S	0	40	NC	—	60	NC	—	80	MODEL 1	I				

Note : ○ : For TDM-7529T Model Only,

● : For TDM-7526T Model Only,

■ : For TDM-7526F Model Only,

□ : For TDM-7529F Model Only,

▲ : For TDM-7526W Model Only,

Others : Common.

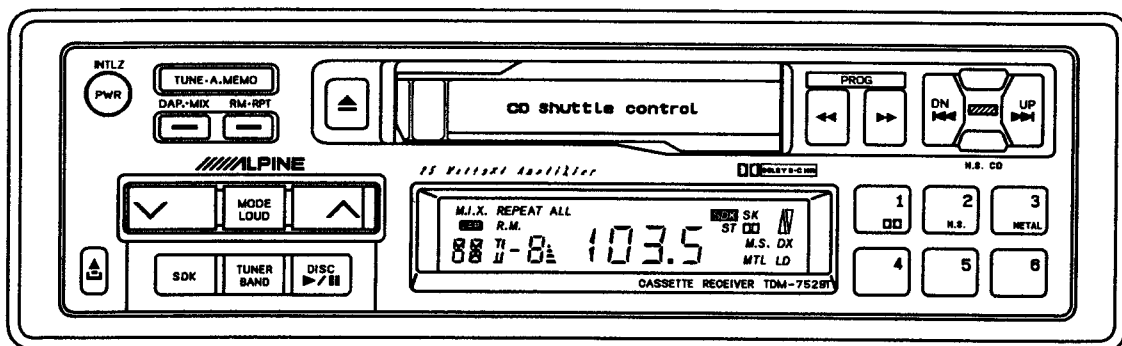
ALPINE® **SERVICE MANUAL**

TDM-7529T/7526T FM/MW/SDK Cassette Receiver
TDM-7529F/7526F FM/MW Cassette Receiver
TDM-7526W FM/LW Cassette Receiver

CD Shuttle Controller

REVISED

- Serial Numbers after No. 50315001 for TDM-7529T Model Only
 No. 50418501 for TDM-7529F Model Only
 No. 50317001 for TDM-7526T Model Only
 No. 50424001 for TDM-7526F Model Only
 No. 50317001 for TDM-7526W Model Only
- The model described in this manual is developed from model TDM-7529T/7526T, TDM-7529F/7526F, TDM-7526W. For information that is not mentioned in this service manual, refer to the Service Manual • TDM-7529T/7526T, TDM-7529F/7526F, TDM-7526W (68E21803S01).
- For the cassette deck mechanism parts (GS75A010/020) of this model, refer to the Service Manual • GS Series (68P61027W01).



TDM-7529T/7526T
TDM-7529F/7526F
TDM-7526W

Contents

Parts Layout on P.C. Boards and Wiring Diagram (1/2)	3 to 4
Electrical Parts List (Only Difference)	5
Cabinet Assembly Parts List (Only Difference)	5

Specifications

In Case of Difficulty

Connections

Basic Operation

Radio Operation

CD Shuttle Operation

Cassette Player Operation

Disassembly Instructions

Adjustment Procedures

Adjustment Locations

Description of IC Terminal

LCD Display

Block Diagram

Tuner Schematic Diagram

Parts Layout on P.C. Boards and Wiring Diagram (2/2)

Schematic Diagram (1/2)

Schematic Diagram (2/2)

Exploded View (Cabinet)

Packing Assembly Parts List

Packing Method View

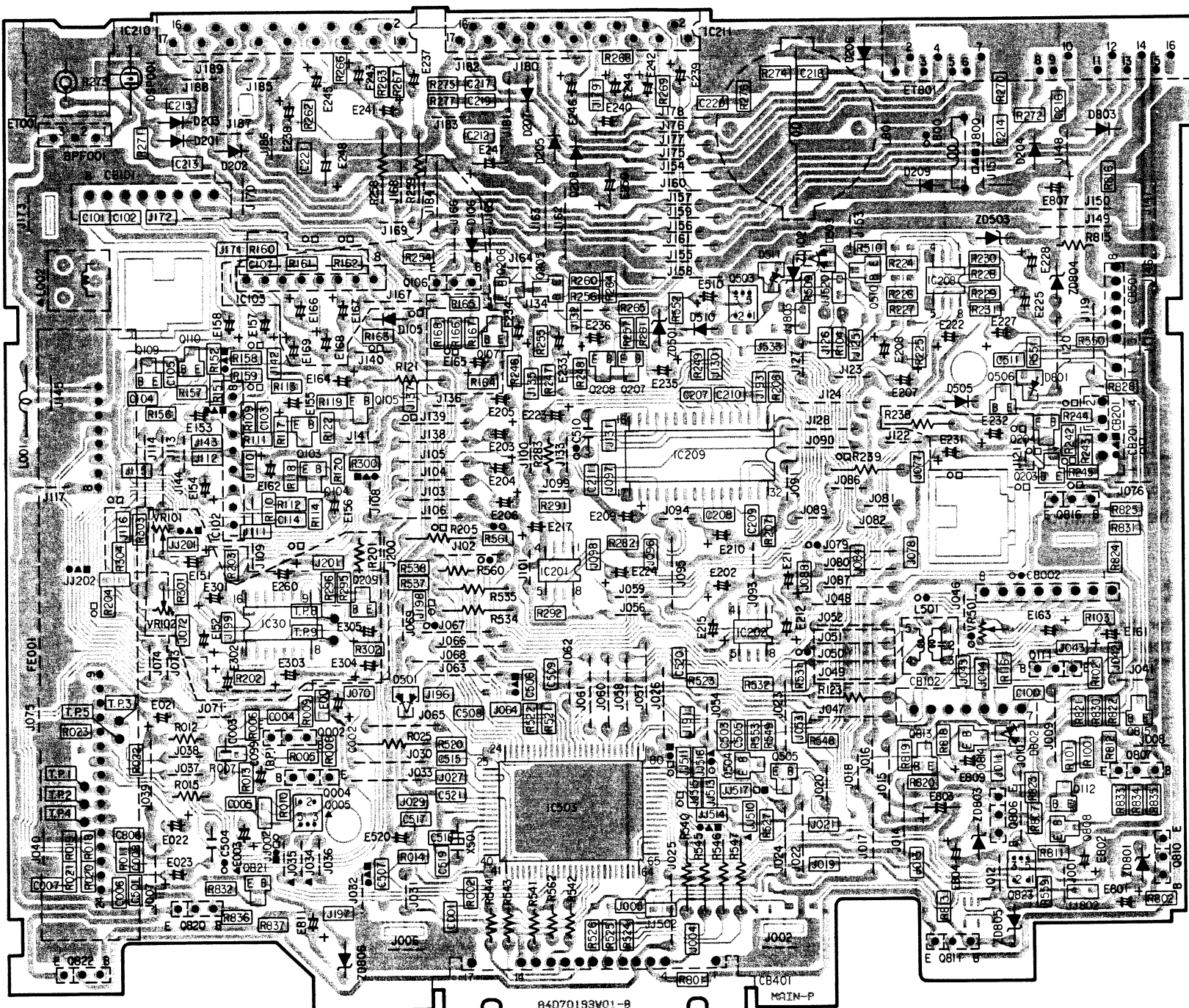
Semi-Conductor Lead Identifications

Refer to the Service Manual • TDM-7529T/7526T,
TDM-7529F/7526F, TDM-7526W (68E21803S01).

Parts Layout on P.C. Boards and Wiring Diagram (1/2)

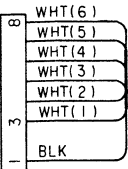
All P.C. Boards viewed from soldered side.

Main P.C. Board



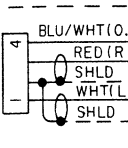
ET801

1 BATT	9 NC
2 BATT	10 RR-
3 FR+	11 GND
4 FR-	12 RL+
5 FL+	13 RL-
6 NC	14 P.ANT
7 FL-	15 ACC
8 RR+	16 NC

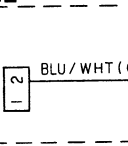


From DIN P.C. Board (CH501)

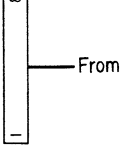
ET201-1 Remote Turn-ON



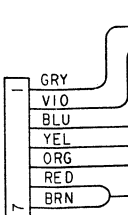
ET201-2 Rear Output RCA Connector



ET201 Remote Turn-ON



From SDK P.C. Board (CH004)



Power Switch (S1503)

Assy., Motor (M1501)

From GS Control (2) P.C. Board

NOTE: ○ : For TDM-7529T Model Only,
□ : For TDM-7529F Model Only,
● : For TDM-7526T Model Only,
▲ : For TDM-7526W Model Only,
■ : For TDM-7526F Model Only,
Others : Common

Blue Color Pattern : Foil Side Pattern

A

B -3-

C

D

E

F -4-

G

Electrical Parts List

NOTE : For the parts not mentioned, refer to the Service Manual for
TDM-7529T / 7526T, TDM-7529F / 7526F, TDM-7526W (68E21803S01).

Symbol No.				Part No.	Description
Main P. C. Board					
Capacitors					
	C003	08T55390W23	TF,		0.033μF
	C099	23S82372F19	ELY., (B.P)		2.2μF / 50V
	E250	23T75479W26	ELY.,		330μF / 16V
	C518	08S82122F21	CP.,		22pF
	C519	08S82122F21	CP.,		22pF
	E803	23T75479W26	ELY.,		330μF / 16V
Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)					
○	R282	06S53330F81			15K ohm
□	R282	06S53330F81			15K ohm
●	R282	06S53330F79			12K ohm
■	R282	06S53330F79			12K ohm
▲	R282	06S53330F79			12K ohm

NOTE : ○ : For TDM-7529T Model Only, □ : For TDM-7529F Model Only,
● : For TDM-7526T Model Only, ■ : For TDM-7526F Model Only,
▲ : For TDM-7526W Model Only, Others : Common.

Cabinet Assembly Parts List

NOTE : For the parts not mentioned, refer to the Service Manual for
TDM-7529T / 7526T, TDM-7529F / 7526F, TDM-7526W (68E21803S01).

Symbol No.		Index	Part No.	Description
○ □ ● ■	24	2-E	36A71256W01	Knob, Deck (FF / REW)
	33	3-D	03S71677F56	Screw, Pan (M1.7×12)
	38		75S30010W81	Cushion, Rubber
	38		75S30010W81	Cushion, Rubber
	38		75S30010W81	Cushion, Rubber
	38		75S30010W81	Cushion, Rubber

NOTE : ○ : For TDM-7529T Model Only, □ : For TDM-7529F Model Only,
● : For TDM-7526T Model Only, ■ : For TDM-7526F Model Only,
▲ : For TDM-7526W Model Only, Others : Common.

ALPINE ELECTRONICS INC.
Tokyo Office : 1-1-8 Nishi Gotanda,
Shinagawa-ku, Tokyo, Japan 141
Phone 03-3494-1101 Telex 8927-61

ALPINE ELECTRONICS OF AMERICA, INC.
19145 Gramercy Place
Torrance, California 90501
Phone 310-326-8000

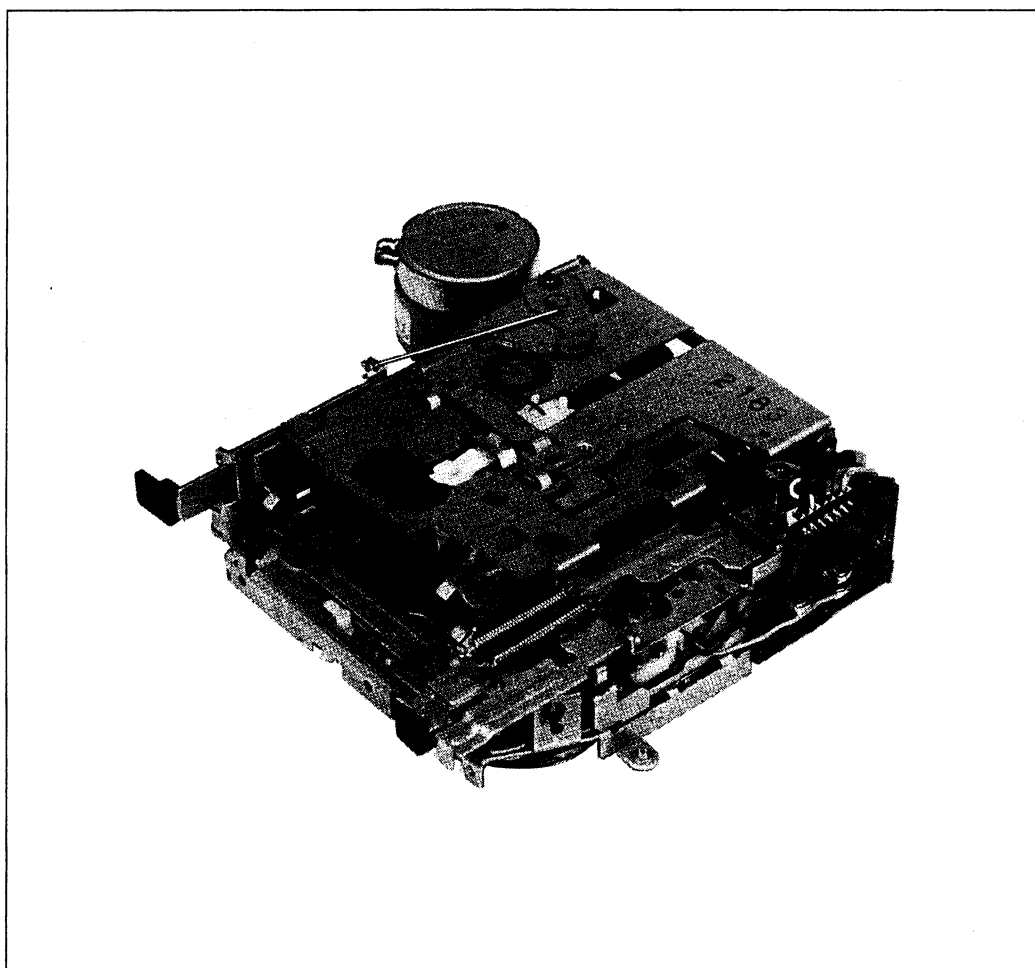
ALPINE ELECTRONICS OF CANADA, INC.
Suite 203, 7300 Warden Ave. Markham,
Ontario L3R 9Z6, Canada
Phone 905-475-7280 Fax 905-474-9146

ALPINE ELECTRONICS GmbH
Brandenburger Str. 2-6,
4030 Ratingen F.R. Germany
Phone 001-49-2102-4550 Telex 8589157
Fax 001-49-2102-445321

6 / 95-S
68E22960S01
Printed in Japan

///ALPINE[®] SERVICE MANUAL

Cassette Deck Mechanism



GS SERIES

Contents

Exploded View (Cassette Deck Mechanism)3 to 4

Cassette Deck Mechanism Assembly Parts List5 to 6

Exploded View (Cassette Deck Mechanism)

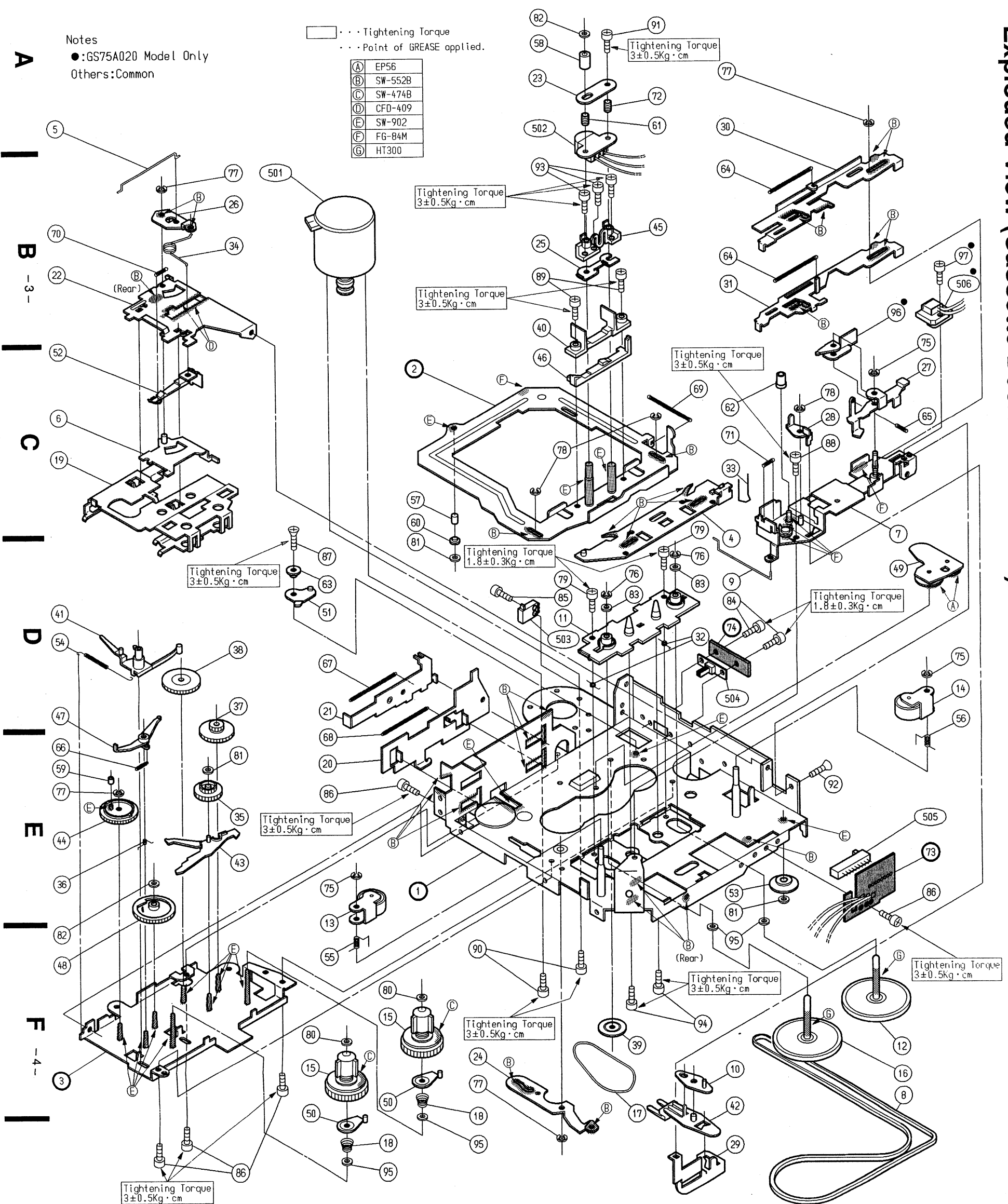
● GS75A010/020

Notes

- GS75A020 Model Only
- Others: Common

... Tightening Torque
... Point of GREASE applied.

(A)	EP56
(B)	SW-552B
(C)	SW-474B
(D)	CFD-409
(E)	SW-902
(F)	FG-84M
(G)	HT300



Cassette Deck Mechanism Assembly Parts List

Note : No parts number on parts list are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description	
○ ●	4	2-C	01E20627S01	Assy., FR Changing Arm	50	4-F	01E20665S01	Assy., Detector Cam
	5	5-A	45E20697S01	Link, Return	51	4-D	45E20666S01	Arm, Mute (N)
	6	5-C	01E20628S01	Assy., Eject Cam Lock	52	5-C	45E20667S01	Hooker, Tape
	7	1-D	01E20629S01	Assy., Lever Bracket (D)	53	2-E	49E20668S01	Pulley, Idle (A)
	8	1-F	42E20696S01	Belt, Main (AL)	54	5-D	41E20688S01	Spring, Ratchet
	9	2-D	45E20695S01	Link, Selector (B)	55	4-F	41E20687S01	Spring, Pinch Arm (R)
	10	2-F	01E20630S01	Assy., FR Arm (A)	56	1-D	49E20686S01	Spring, Pinch Arm (F)
	11	3-D	01E20631S01	Assy., CM Bracket	57	4-C	49E20670S01	Roller, HP (B)
	12	1-F	01E20632S01	Assy., Flywheel (BF)	58	3-A	49E20734S01	FF Roller
	13	4-E	01E20633S01	Assy., Pinch Roller Arm (R)	58	3-A	49E20671S01	FF Roller
	14	1-D	01E20634S01	Assy., Pinch Roller Arm (F)	59	5-E	07E20672S01	Collar, Selector Gear
	15	4-F	01E20733S01	Assy., Spindle Reel (S)	60	4-C	49E20673S01	Roller, HP (A)
	15	4-F	01E20635S01	Assy., Spindle Reel (D)	61	2-A	41E20685S01	Spring, Adjuster Arm (B)
	16	1-F	01E20636S01	Assy., Flywheel (BR)	62	2-C	49E20674S01	Roller, Program
	17	3-F	42E20694S01	Belt, Sub (C)	63	4-D	43E20675S01	Collar, Mute Arm
	18		41E20693S01	Spring, Back Tension	64	2-B	41E20676S01	Spring, FF / REW Lever
	19	5-C	07E20637S01	Holder, Cassette (X)	65	1-C	41E20677S01	Spring, Lock Lever
20	4-E	45E20638S01	Cam, Eject	66	5-E	41E20678S01	Spring, Gear Lock Arm	
21	4-D	45E20639S01	Lever, Eject	67	4-D	41E20679S01	Spring, Eject Lever	
22	5-B	45E20640S01	Hanger, Cassette (X)	68	4-E	41E20680S01	Spring, Eject Cam	
23	3-A	45E20641S01	Plate, Spring Support	69	2-C	41E20681S01	Spring, Head Plate	
24	3-F	45E20642S01	Lever, Reverse	70	5-B	41E20682S01	Spring, Eject Cam Lock	
25	3-B	45E20643S01	Shim, Adjuster (X)	71	2-C	41E20683S01	Spring, Program Arm	
26	4-B	45E20644S01	Plate, Center	72	2-A	41E20684S01	Spring, Adjuster Arm (A)	
27	1-C	45E20645S01	Arm, Lock (A)	75		42E20711S01	Ring, "E" (M1.5)	
28	2-C	45E20646S01	Lever, Change (B)	76		42E20712S01	Ring, "E" (M1.6)	
29	2-G	45E20647S01	Arm, FR (B)	77		42E20713S01	Ring, "E" (M2)	
30	2-A	45E20648S01	Lever, FF (AT)	78		42E20714S01	Ring, "E" (M2.5)	
31	2-B	45E20649S01	Lever, Rew (AT)	79		03E20715S01	Screw, Bind (M1.7×3)	
32	2-D	41E20692S01	Spring, Earth (R)	80	4-F	04E20716S01	Washer, Polyslider (M1.6)	
33	2-C	41E20691S01	Spring, Changing Arm	81		04E20717S01	Washer, Polyslider (M1.2)	
34	4-B	41E20690S01	Spring, Center Plate (B)	82		04E20718S01	Washer, Polyslider (M1.6)	
35	4-E	44E20651S01	Gear, Idle	83		04E20719S01	Washer, Polyslider (M2.1)	
36	5-E	41E20689S01	Spring, Dash	84	2-D	03E20720S01	Screw, Bind (M1.7×4)	
37	4-D	44E20652S01	Gear, Reduction (A)	85	3-D	03E20721S01	Screw, Bind (M1.7×6)	
38	4-D	44E20653S01	Gear, Reduction (B)	86		03E20722S01	Screw, Bind (M2×3)	
39	3-F	44E20654S01	Gear, Pulley	87	4-D	03E20723S01	Screw, Countersink (M2×4)	
40	3-B	43E20655S01	Guide, Tape	88	2-C	03E20724S01	Screw, Bind (M2×4)	
41	5-D	45E20656S01	Ratchet	89	3-B	03E20725S01	Screw, Bind (M2.7)	
42	2-F	45E20657S01	Arm, FF	90	3-F	03E20726S01	Screw, Bind (M2×2.5)	
43	4-E	45E20658S01	Arm, Sensor	91	2-A	03E20727S01	Screw, Bind (M2×4)	
44	5-E	44E20659S01	Gear, Selector	92	2-E	03E20728S01	Screw, Countersink (M2×3)	
45	2-B	45E20660S01	Arm, Adjuster (B)	93	3-B	03E20729S01	Screw, Flat (M2×5)	
46	3-C	45E20661S01	Link, Adjuster (X)	94	2-F	03E20730S01	Screw, Bind (M2×5)	
47	5-D	44E20662S01	Arm, Gear Lock	95		04E20731S01	Washer, Lock (M2.1)	
48	5-F	44E20663S01	Gear, Detector	● 96	1-B	45E20650S01	Arm, Release	
49	1-D	01E20664S01	Assy., TU Gear Arm	● 97	1-B	03E20732S01	Screw, Bind (M2×6)	

Notes : ○ : For GS75A010 Model Only,
Others : Common.

● : For GS75A020 Model Only,

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
Miscellaneous							
501	4-B	01E20699S01	Assy., Motor				
502	3-A	88E20705S01	Head				
503	3-D	40E20706S01	Switch, Power				
504	2-D	40E20709S01	Switch, Leaf				
505	1-E	40E20707S01	Switch, Slide				
● 506	1-B	47E20710S01	Solenoid				

Notes : ○ : For GS75A010 Model Only,
Others : Common.

● : For GS75A020 Model Only,